

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025887.D
 Acq On : 06 Aug 2018 15:44
 Operator : MD/SY
 Sample : VU0806MBS01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:36 PM

Quant Time: Aug 07 01:19:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	166645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	246550	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	132900	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	4.89	113	108440	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	7.57	98	383969	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	10.31	95	142568	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	41263	16.38	ug/l	99
3) Chloromethane	1.33	50	44642	18.54	ug/l	99
4) Vinyl Chloride	1.41	62	42653	18.83	ug/l	100
5) Bromomethane	1.63	94	25815	23.33	ug/l	100
6) Chloroethane	1.70	64	26377	19.91	ug/l	97
7) Trichlorofluoromethane	1.89	101	65400	19.97	ug/l	99
8) Diethyl Ether	2.10	74	23495	19.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37996	20.04	ug/l	99
10) Methyl Iodide	2.41	142	31752	23.47	ug/l	99
11) Tert butyl alcohol	2.83	59	52086	91.62	ug/l	100
12) 1,1-Dichloroethene	2.28	96	35342	19.75	ug/l	96
13) Acrolein	2.20	56	35471	171.66	ug/l	97
14) Allyl chloride	2.60	41	63944	19.89	ug/l	98
15) Acrylonitrile	2.94	53	121376	106.94	ug/l	98
16) Acetone	2.32	43	154906	122.37	ug/l	98
17) Carbon Disulfide	2.48	76	112336	19.40	ug/l	99
18) Methyl Acetate	2.62	43	58560	19.22	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	135524	20.90	ug/l	98
20) Methylene Chloride	2.71	84	45442	20.26	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41617	20.12	ug/l	99
22) Diisopropyl ether	3.58	45	134073	21.16	ug/l	98
23) Vinyl Acetate	3.53	43	588221	106.52	ug/l	99
24) 1,1-Dichloroethane	3.45	63	81530	21.43	ug/l	97
25) 2-Butanone	4.27	43	220025	127.68	ug/l	100
26) 2,2-Dichloropropane	4.23	77	73985	21.40	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	48212	20.67	ug/l	98
28) Bromochloromethane	4.55	49	36761	21.62	ug/l	100
29) Tetrahydrofuran	4.64	42	109058	105.63	ug/l	98
30) Chloroform	4.68	83	83657	20.84	ug/l	100
31) Cyclohexane	5.00	56	69784	20.29	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	76875	21.27	ug/l	98
36) 1,1-Dichloropropene	5.14	75	59256	20.57	ug/l	98
37) Ethyl Acetate	4.39	43	66029	22.10	ug/l	98
38) Carbon Tetrachloride	5.14	117	68219	20.90	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	64202	19.45	ug/l	96
40) Benzene	5.39	78	173365	20.58	ug/l	98
41) Methacrylonitrile	4.55	41	34662	20.89	ug/l	98
42) 1,2-Dichloroethane	5.41	62	69152	21.32	ug/l	99
43) Isopropyl Acetate	5.55	43	102078	20.68	ug/l	99
44) Trichloroethene	6.19	130	48924	20.86	ug/l	98
45) 1,2-Dichloropropane	6.44	63	46328	21.09	ug/l	99
46) Dibromomethane	6.56	93	33701	21.17	ug/l	97
47) Bromodichloromethane	6.76	83	63745	21.00	ug/l	99
48) Methyl methacrylate	6.63	41	49992	20.66	ug/l	98
49) 1,4-Dioxane	6.62	88	21779	369.87	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	408321	132.10	ug/l	99
52) Toluene	7.64	92	111121	21.24	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	71518	20.98	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	74246	21.20	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	45160	20.77	ug/l	99
56) Ethyl methacrylate	8.02	69	62816	20.22	ug/l	100
57) 1,3-Dichloropropane	8.25	76	77801	21.28	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	117099	87.95	ug/l	99
59) 2-Hexanone	8.36	43	311533	128.58	ug/l	99
60) Dibromochloromethane	8.48	129	52843	20.61	ug/l	100
61) 1,2-Dibromoethane	8.59	107	49777	20.58	ug/l	98
64) Tetrachloroethene	8.23	164	45422	21.20	ug/l	98
65) Chlorobenzene	9.12	112	126737	20.19	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	47164	20.77	ug/l	98
67) Ethyl Benzene	9.25	91	208806	20.08	ug/l	99
68) m/p-Xylenes	9.38	106	163485	40.96	ug/l	99
69) o-Xylene	9.78	106	77843	19.95	ug/l	97
70) Styrene	9.80	104	129994	20.63	ug/l	99
71) Bromoform	9.96	173	39534	20.08	ug/l #	100
73) Isopropylbenzene	10.17	105	214429	20.88	ug/l	99
74) N-amyl acetate	10.02	43	88148	21.02	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	73707	20.75	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	70913m	21.39	ug/l	
77) Bromobenzene	10.45	156	57891	20.44	ug/l	99
78) n-propylbenzene	10.59	91	252547	21.07	ug/l	100
79) 2-Chlorotoluene	10.66	91	148561	21.16	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	180806	20.73	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	20246m	15.31	ug/l	
82) 4-Chlorotoluene	10.78	91	172795	20.88	ug/l	97
83) tert-Butylbenzene	11.10	119	171756	19.82	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	184805	20.91	ug/l	97
85) sec-Butylbenzene	11.33	105	214171	20.24	ug/l	99
86) p-Isopropyltoluene	11.48	119	192141	20.28	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107025	20.35	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	108572	19.81	ug/l	97
89) n-Butylbenzene	11.89	91	167452	19.15	ug/l	98
90) Hexachloroethane	12.15	117	32916	19.54	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	105264	20.42	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17509	20.79	ug/l	94

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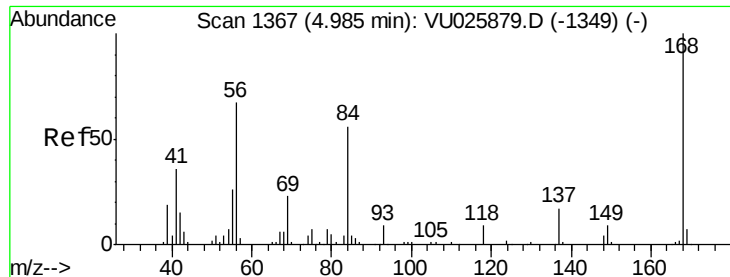
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	67159	19.31	ug/l	99
94) Hexachlorobutadiene	13.70	225	32066	17.49	ug/l	98
95) Naphthalene	13.75	128	191398	17.95	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	67087	19.33	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion:168 Resp: 166645

Ion Ratio Lower Upper

168 100

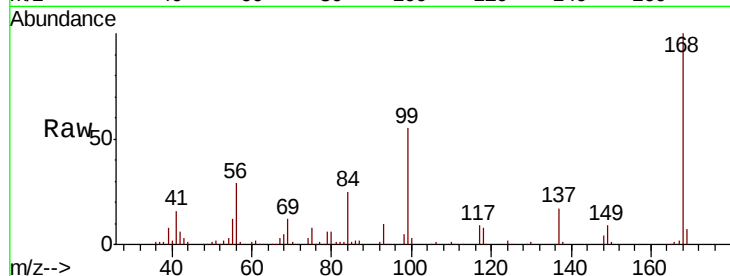
99 54.7 42.8 64.2

Manual Integrations

APPROVED

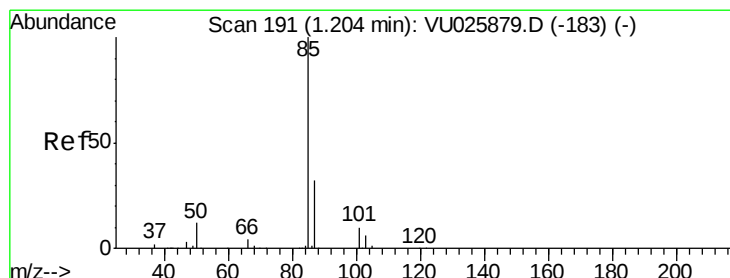
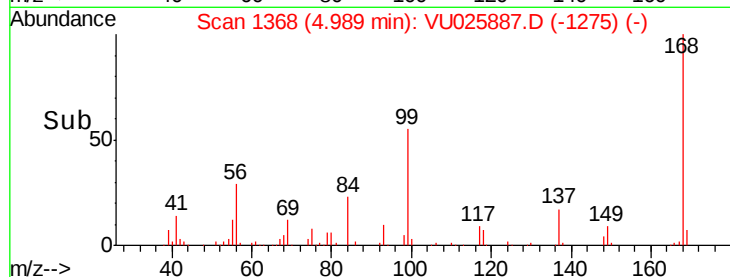
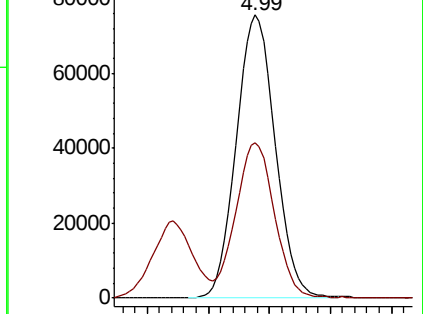
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Abundance Ion 167.90 (167.60 to 168.60): VU025887.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025887.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 16.38 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025887.D

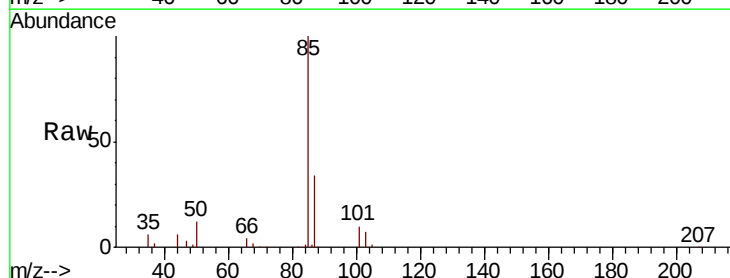
Acq: 06 Aug 2018 15:44

Tgt Ion: 85 Resp: 41263

Ion Ratio Lower Upper

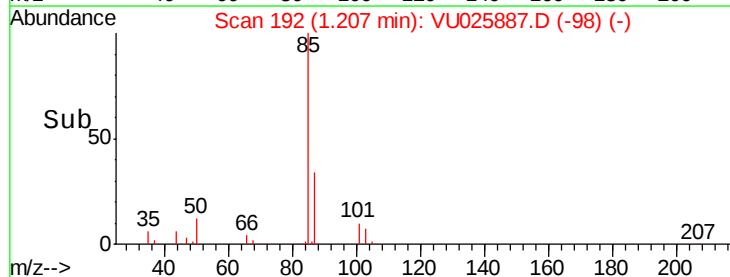
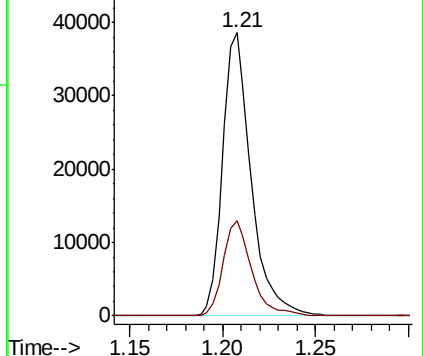
85 100

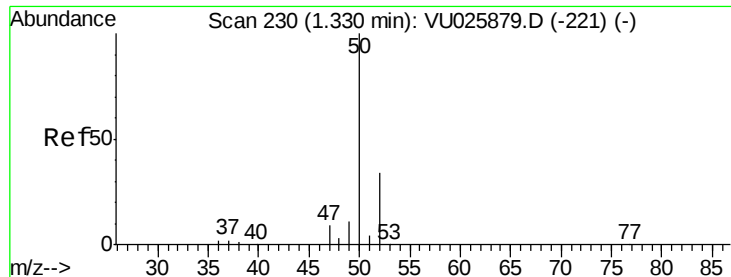
87 33.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025887.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025887.D (-98) (-)





#3

Chloromethane

Concen: 18.54 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 50 Resp: 44642

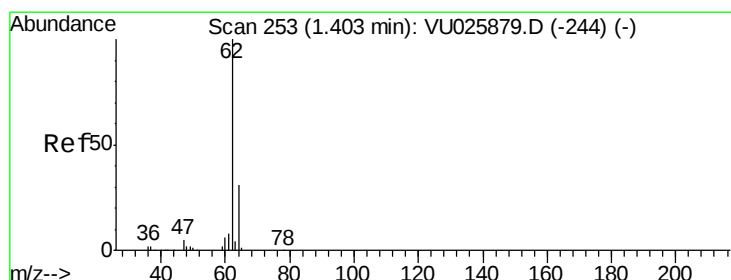
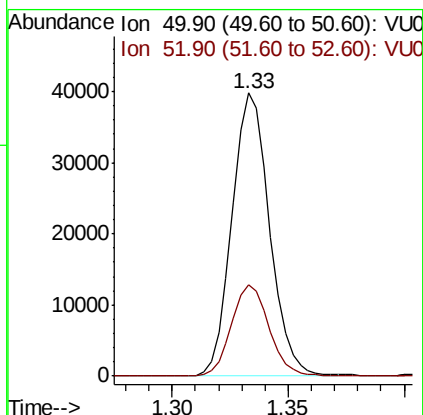
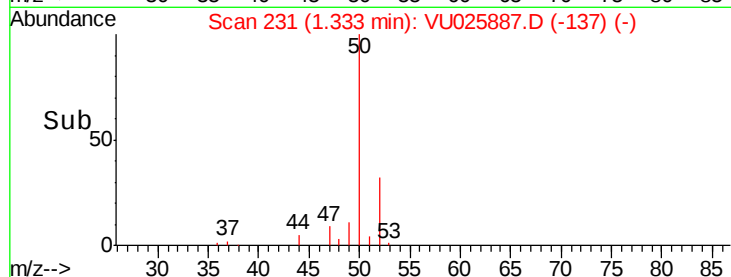
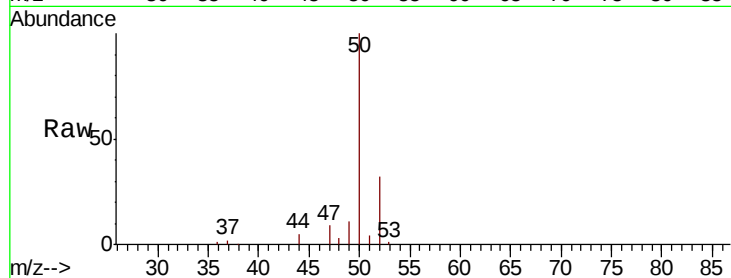
Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.83 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025887.D

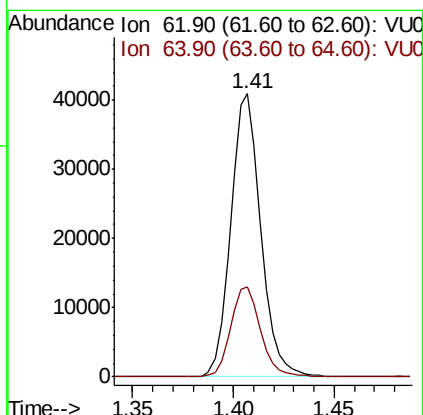
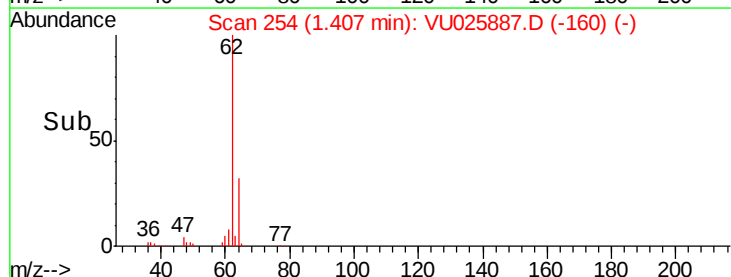
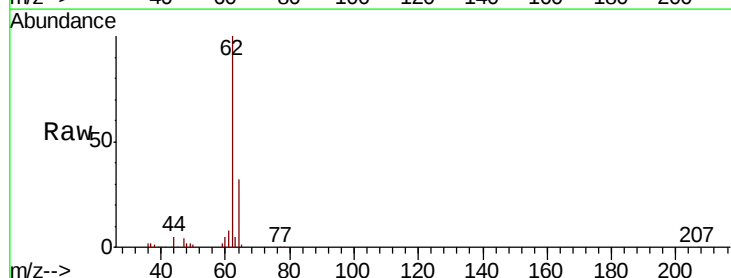
Acq: 06 Aug 2018 15:44

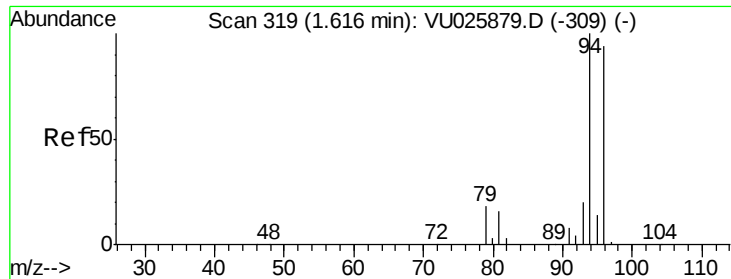
Tgt Ion: 62 Resp: 42653

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 23.33 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 94 Resp: 25815

Ion Ratio Lower Upper

94 100

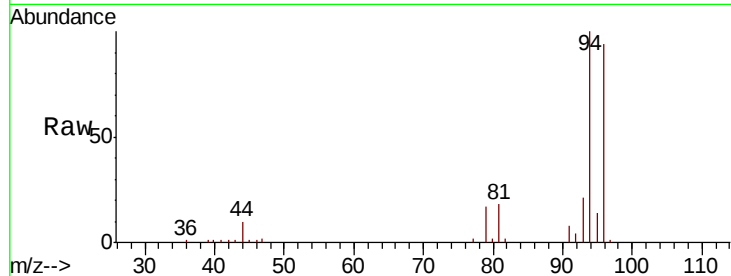
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Manual Integrations

APPROVED

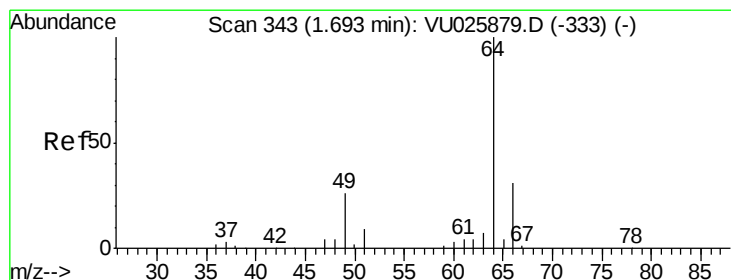
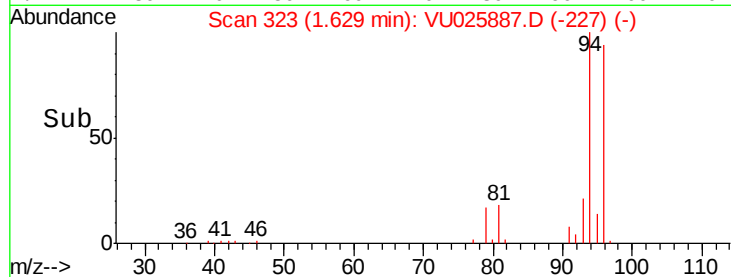
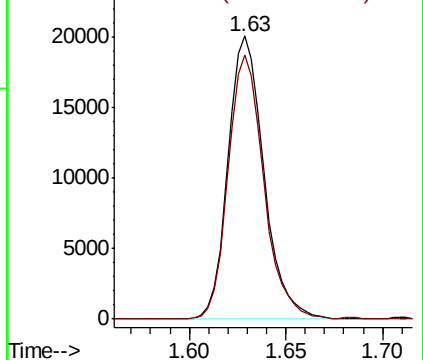
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.91 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025887.D

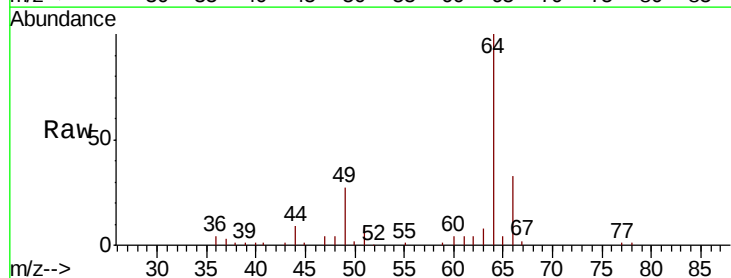
Acq: 06 Aug 2018 15:44

Tgt Ion: 64 Resp: 26377

Ion Ratio Lower Upper

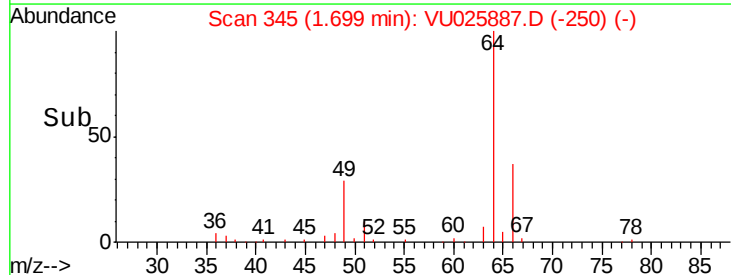
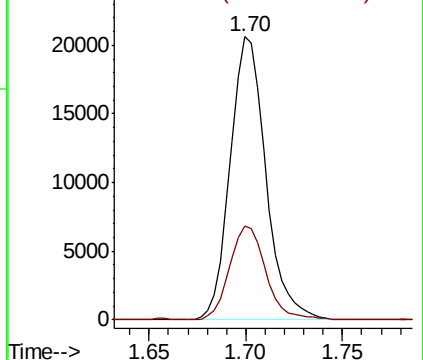
64 100

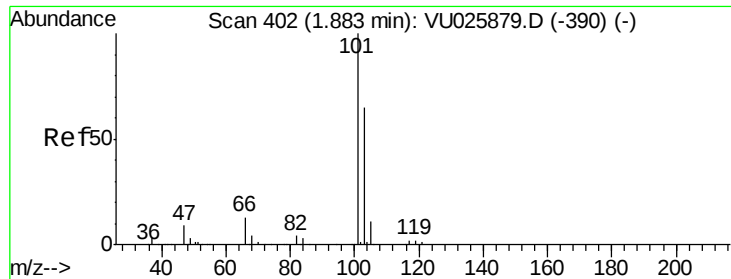
66 33.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

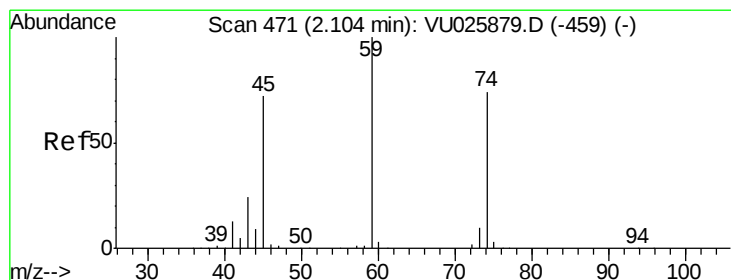
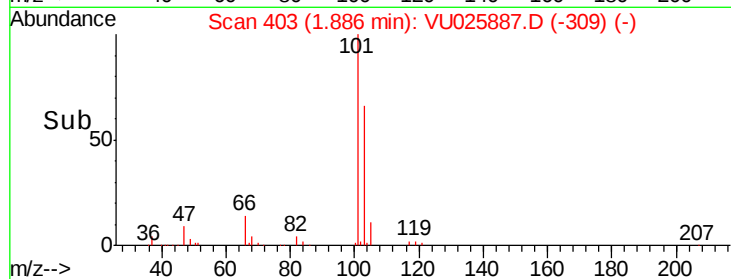
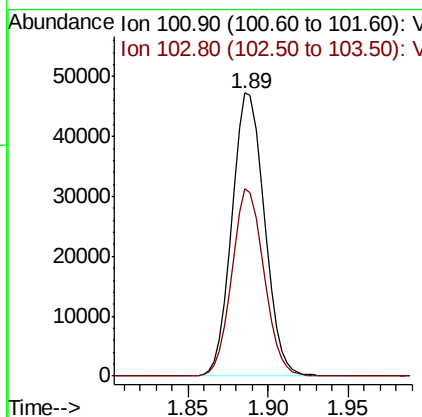
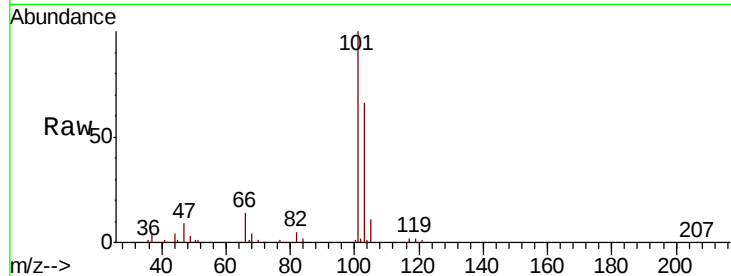
Trichlorofluoromethane
 Concen: 19.97 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
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 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.2

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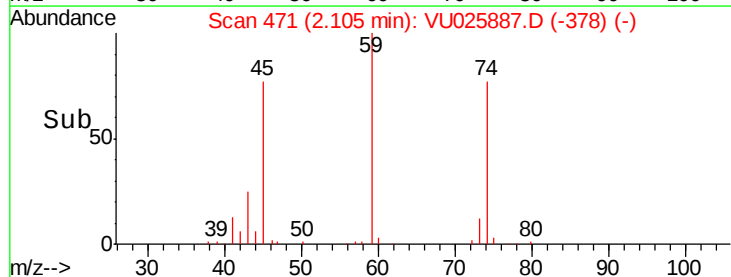
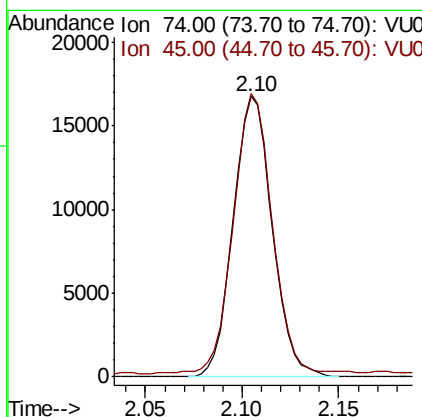
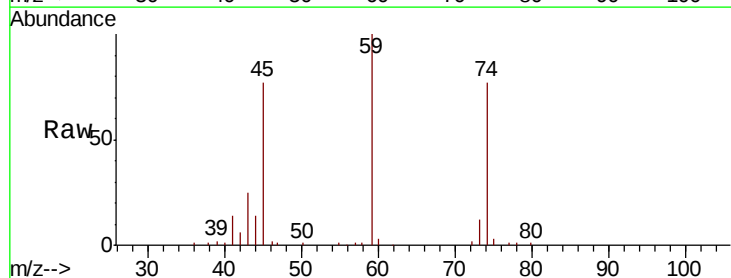
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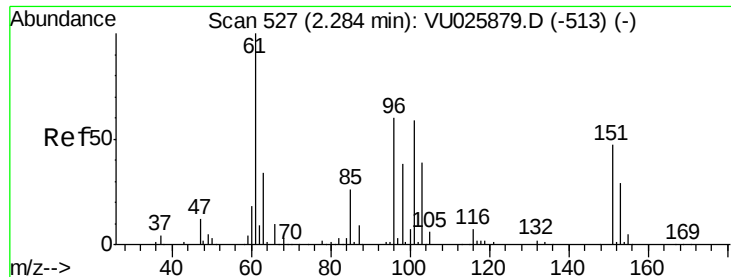


#8

Diethyl Ether
 Concen: 19.82 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.04 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

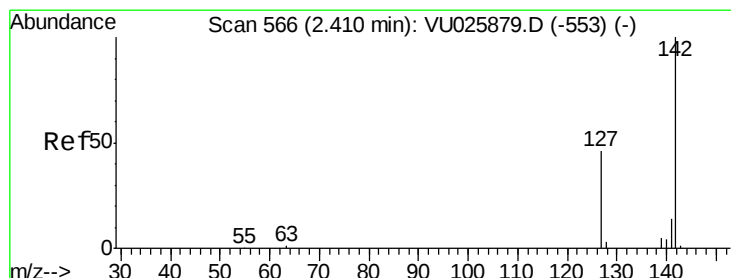
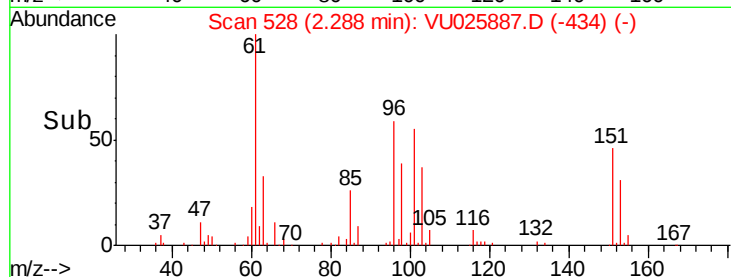
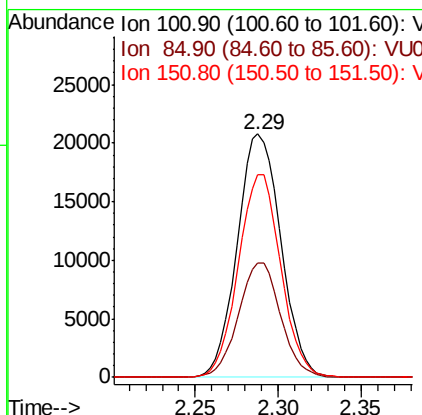
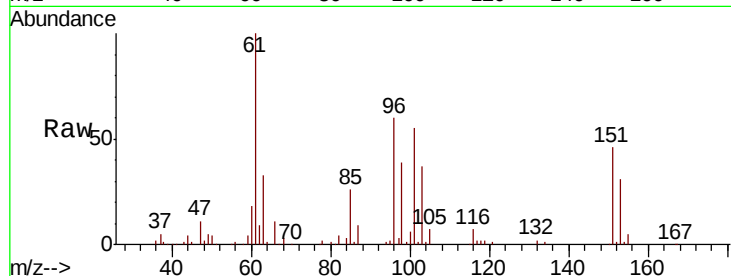
ClientSampled :

VU0806MBS01

Tot Ion:	101	Resp:	37996
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.0	54.0
151	80.8	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 23.47 ug/l

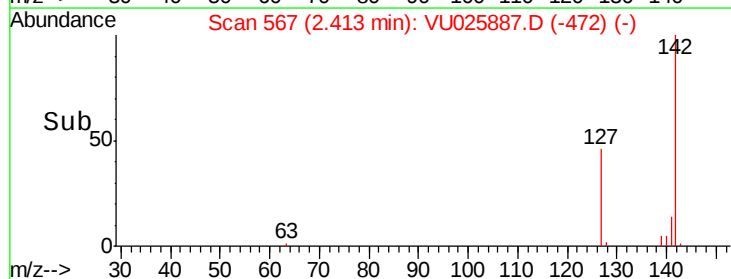
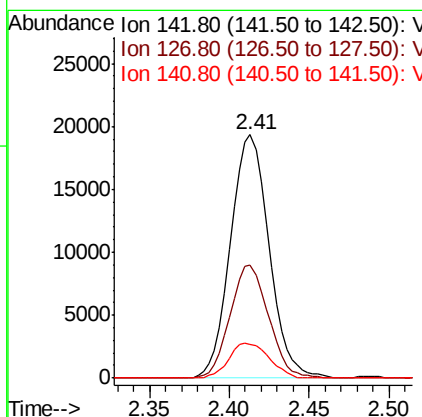
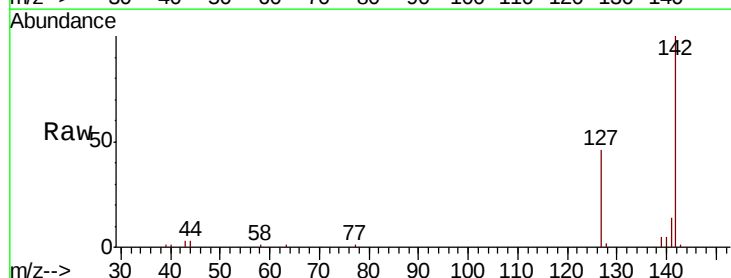
RT: 2.41 min Scan# 567

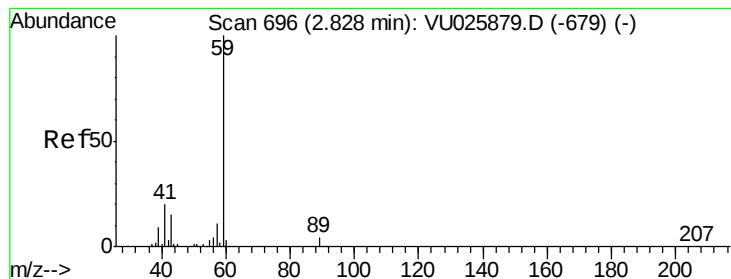
Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Tgt Ion:	142	Resp:	31752
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.5	54.7
141	14.9	11.4	17.2





#11

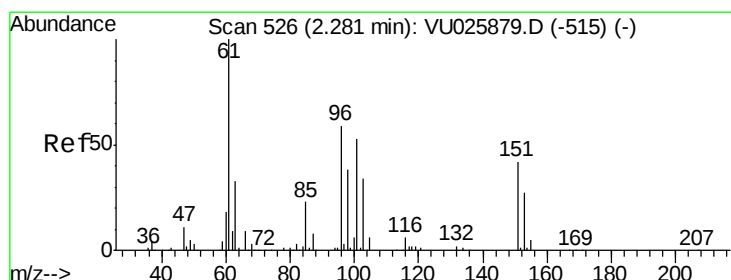
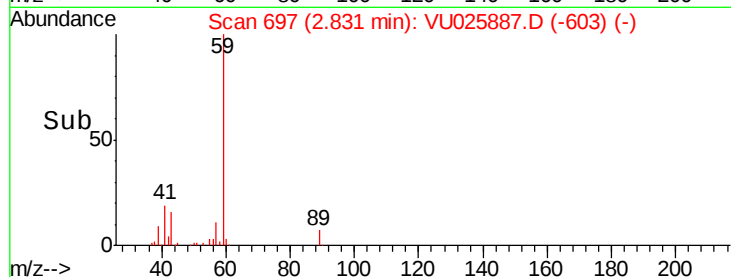
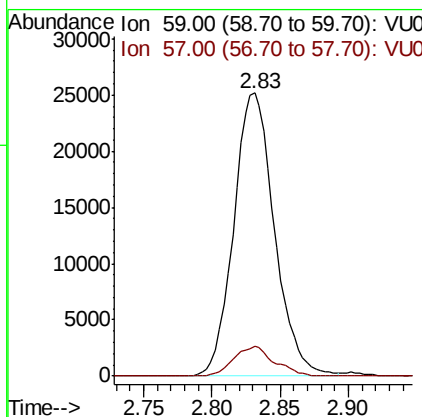
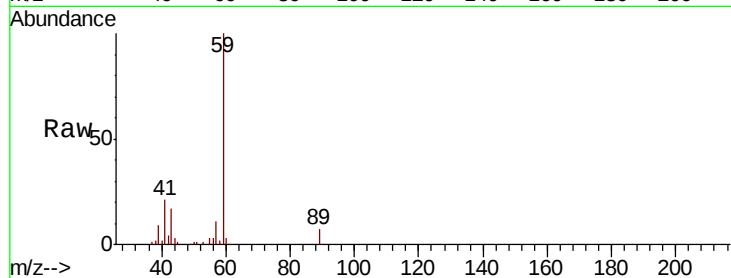
Tert butyl alcohol
 Concen: 91.62 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
 APPROVED

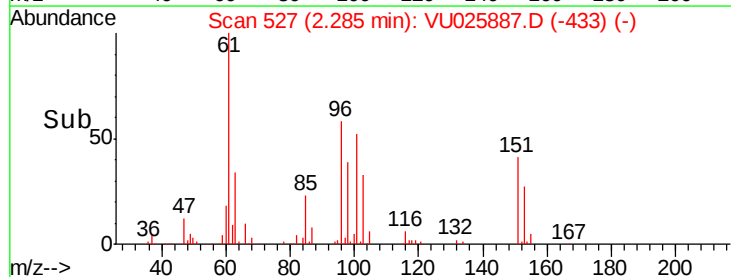
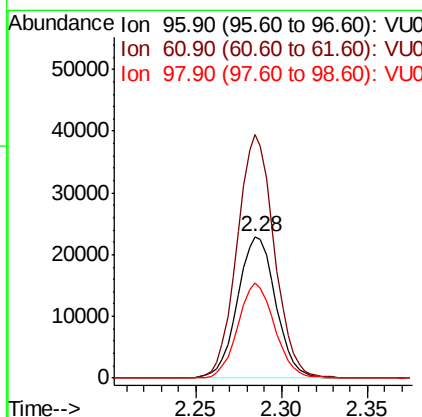
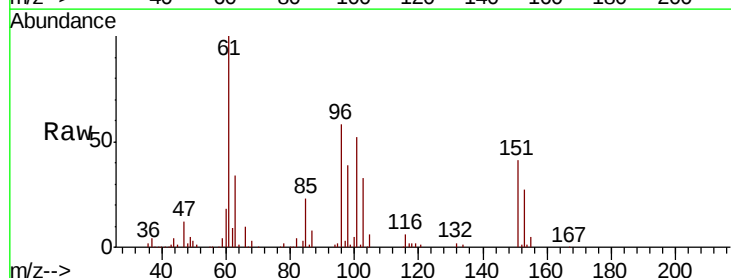
MMDadoda
 8/7/2018 1:51:36 PM

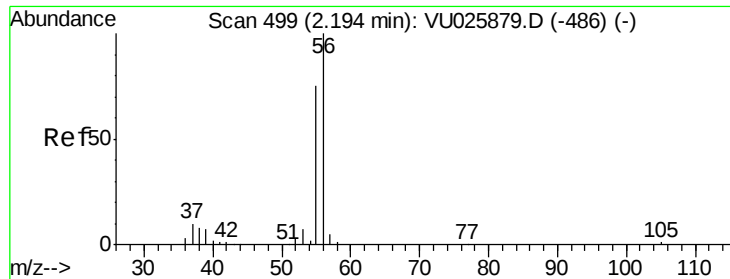


#12

1,1-Dichloroethene
 Concen: 19.75 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.7	140.2	210.4
98	66.7	49.3	73.9





#13

Acrolein

Concen: 171.66 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 56 Resp: 35471

Ion Ratio Lower Upper

56 100

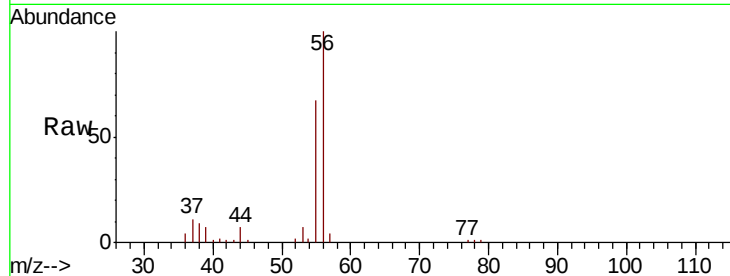
55 69.1 57.2 85.8

Manual Integrations

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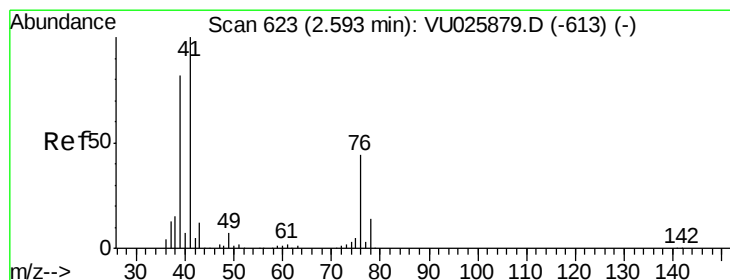
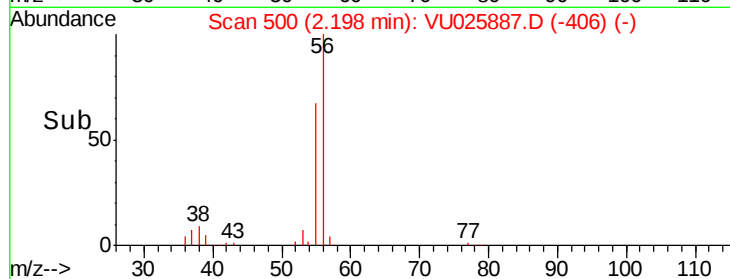
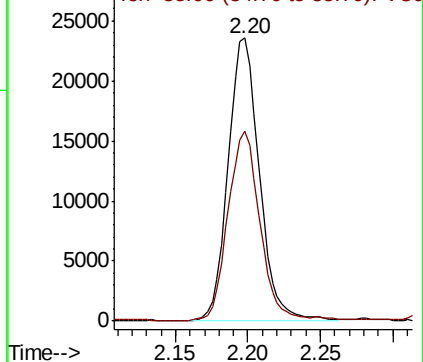
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.89 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

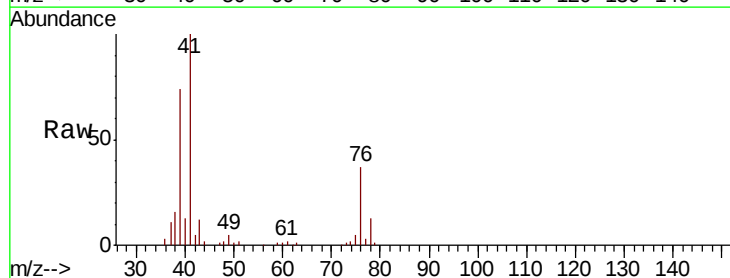
Tgt Ion: 41 Resp: 63944

Ion Ratio Lower Upper

41 100

39 74.2 60.6 91.0

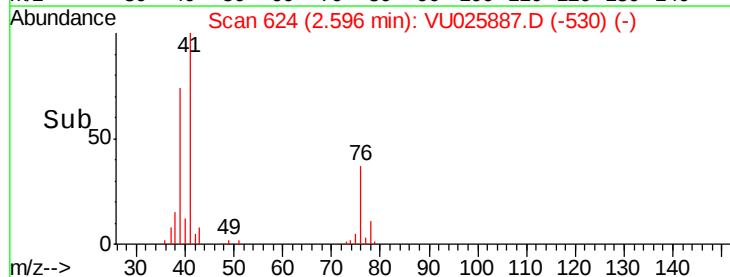
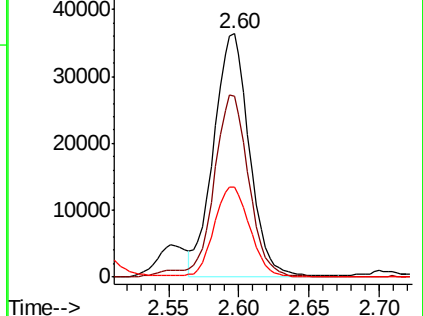
76 37.2 30.5 45.7

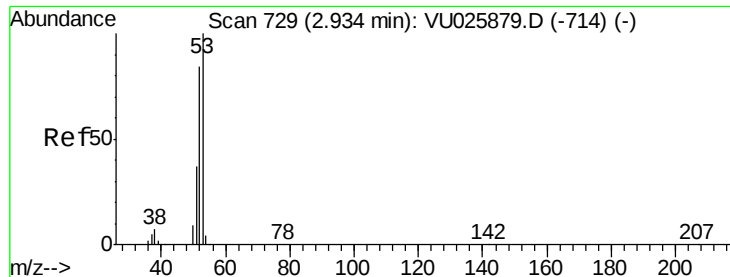


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 106.94 ug/l

RT: 2.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

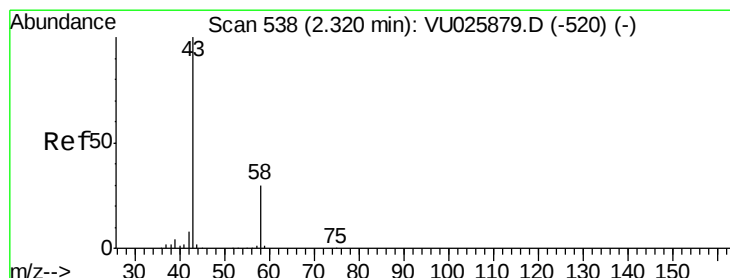
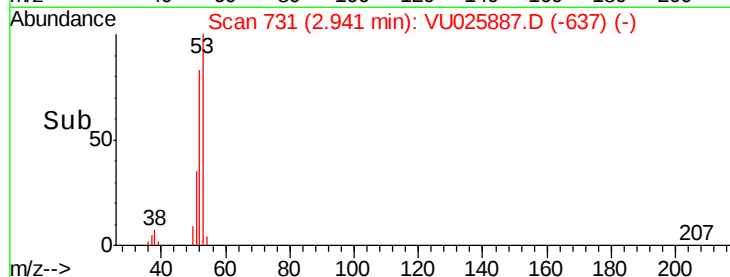
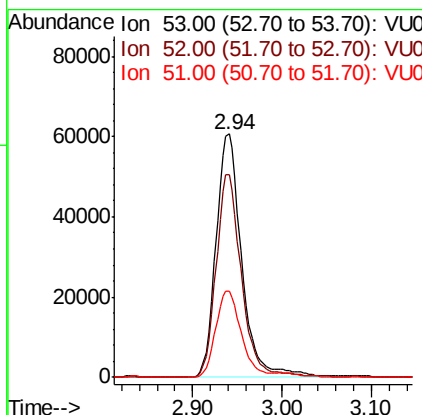
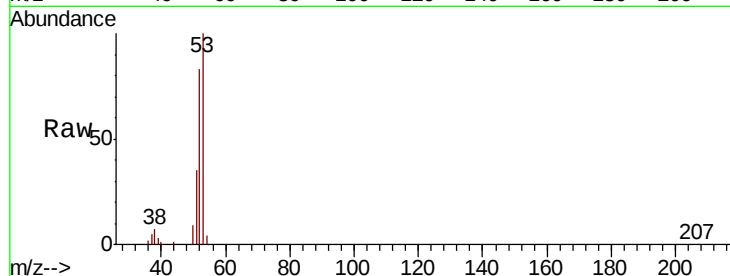
ClientSampleId :

VU0806MBS01

Tot Ion:	53	Resp:	121376
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.6	99.8
51	34.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 122.37 ug/l

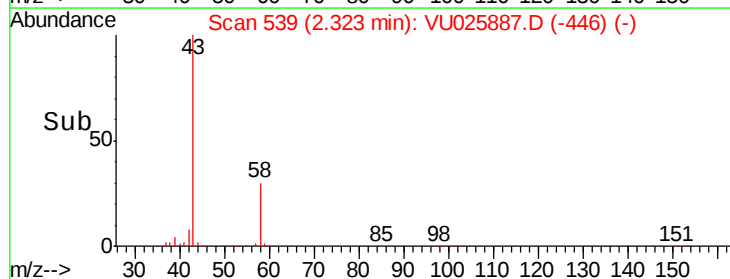
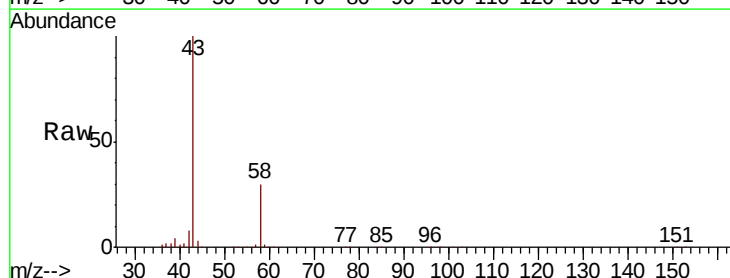
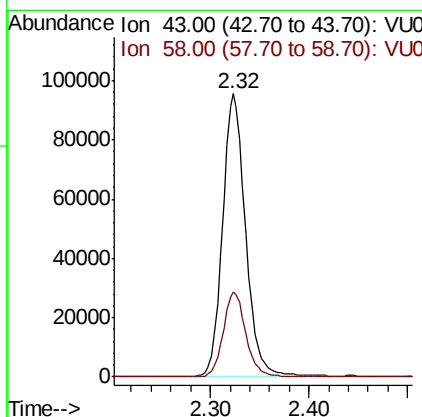
RT: 2.32 min Scan# 539

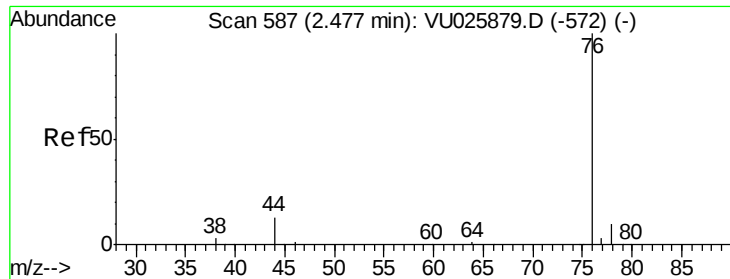
Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Tgt Ion:	43	Resp:	154906
Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7





#17

Carbon Disulfide

Concen: 19.40 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 76 Resp: 112336

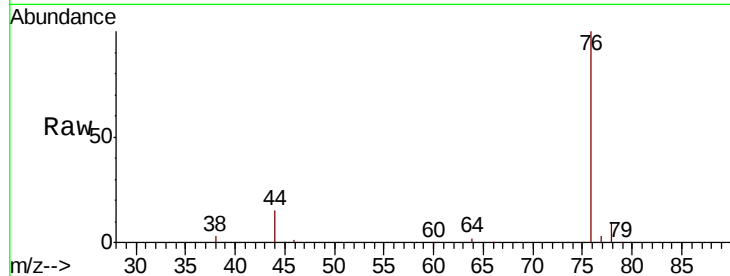
Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VU025887.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025887.D (-494) (-)

2.48

60000

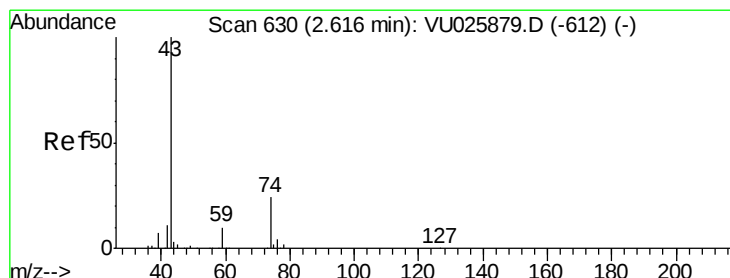
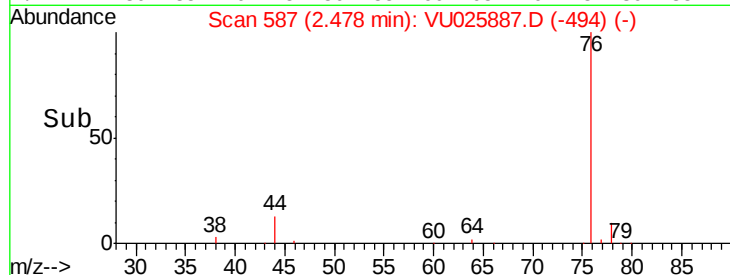
40000

20000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 19.22 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025887.D

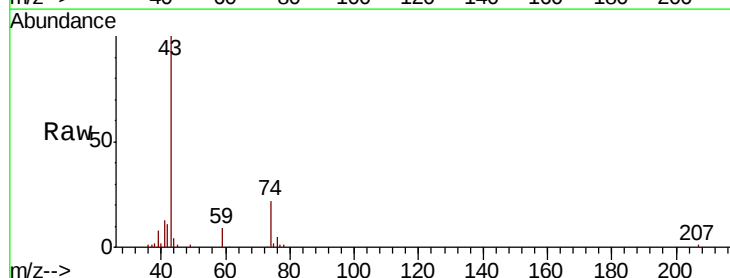
Acq: 06 Aug 2018 15:44

Tgt Ion: 43 Resp: 58560

Ion Ratio Lower Upper

43 100

74 23.2 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025887.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025887.D (-537) (-)

2.62

40000

30000

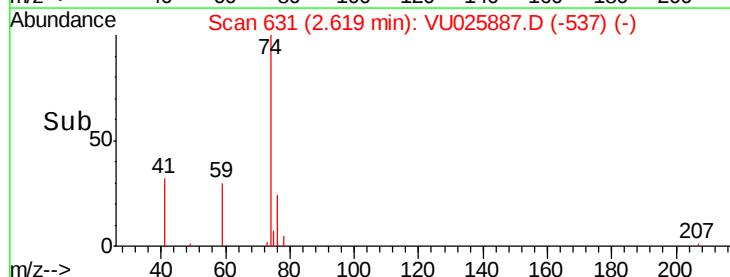
20000

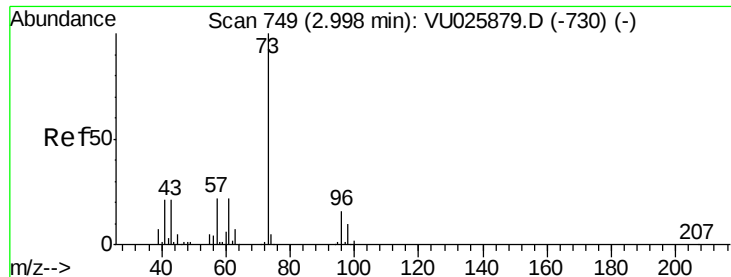
10000

0

Time-->

2.55 2.60 2.65 2.70





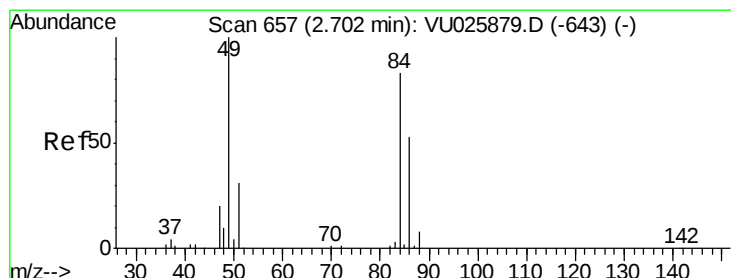
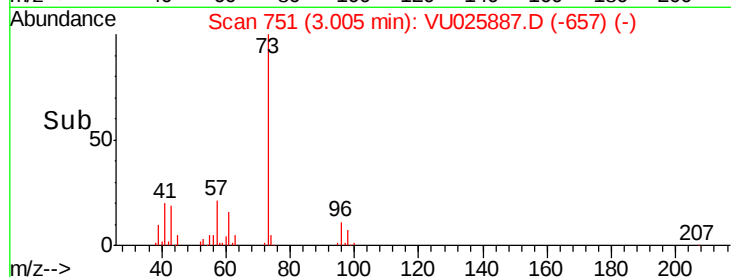
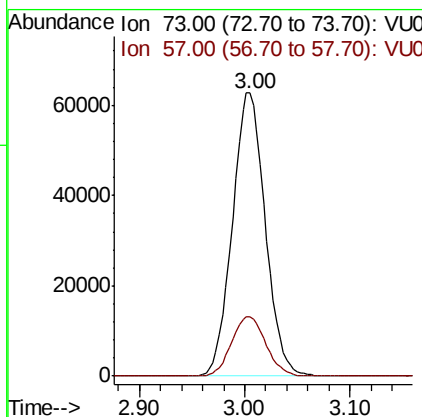
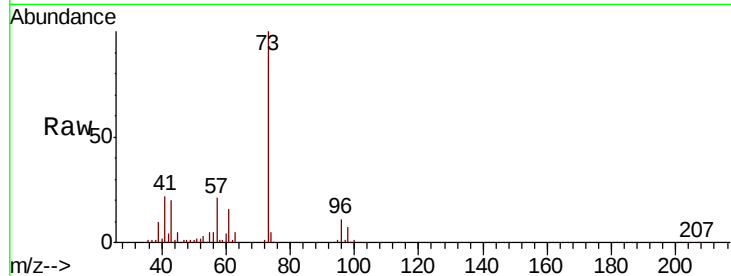
#19
Methvl tert-butvl Ether
Concen: 20.90 ug/l
RT: 3.00 min Scan# 751
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.4	26.2

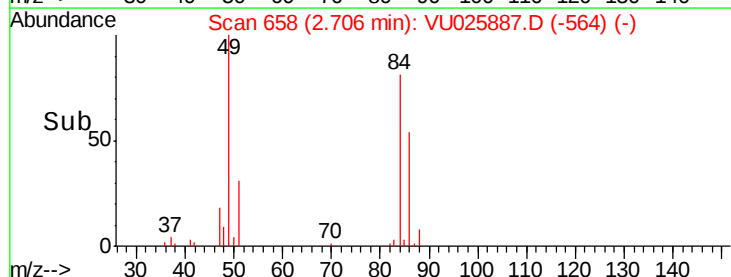
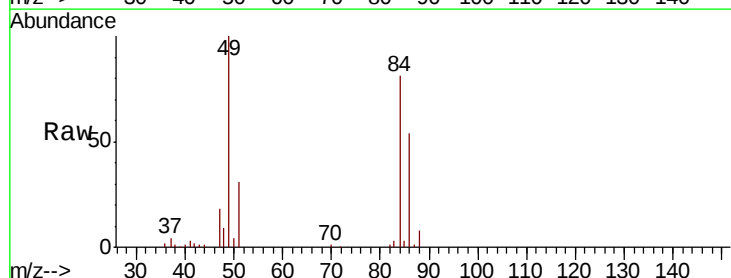
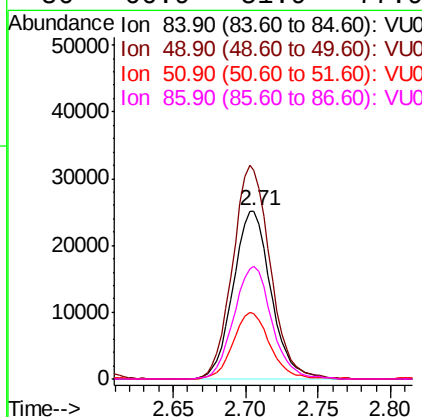
Manual Integrations
APPROVED

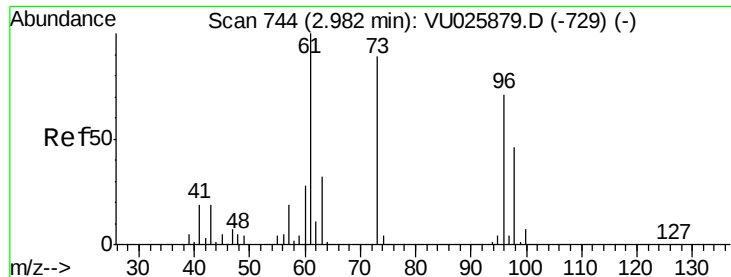
MMDadoda
8/7/2018 1:51:36 PM



#20
Methylene Chloride
Concen: 20.26 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.0	101.8	152.6
51	39.0	30.8	46.2
86	66.9	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 20.12 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

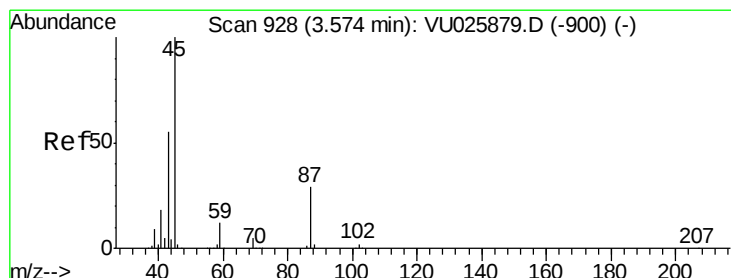
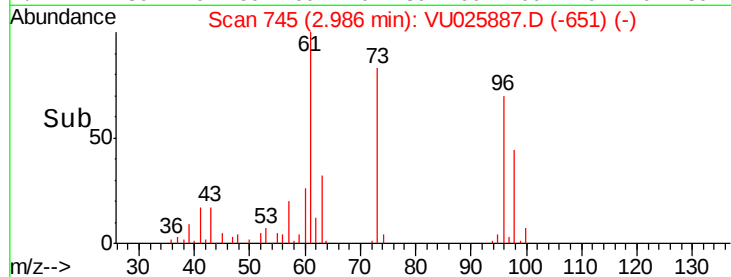
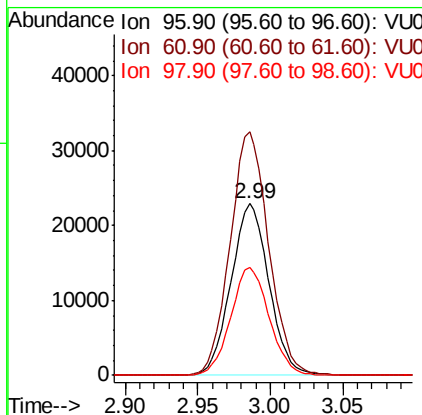
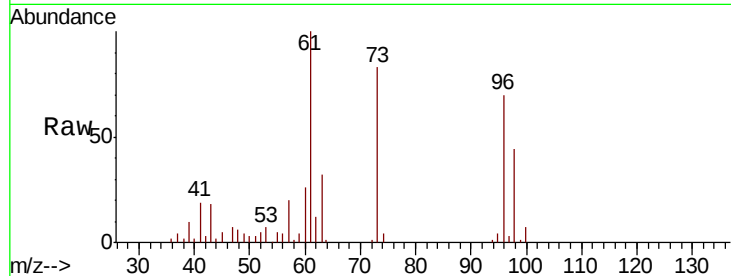
ClientSampleId :

VU0806MBS01

Tot Ion:	96	Resp:	41617
Ion	Ratio	Lower	Upper
96	100		
61	141.9	114.5	171.7
98	62.7	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.16 ug/l

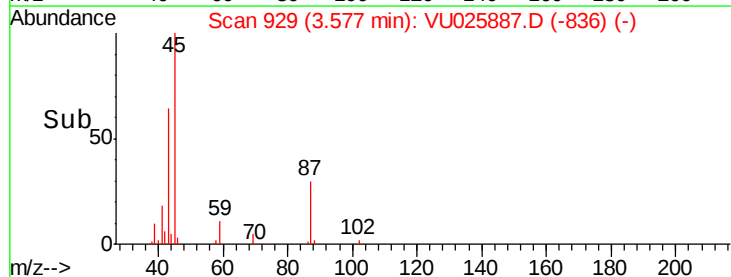
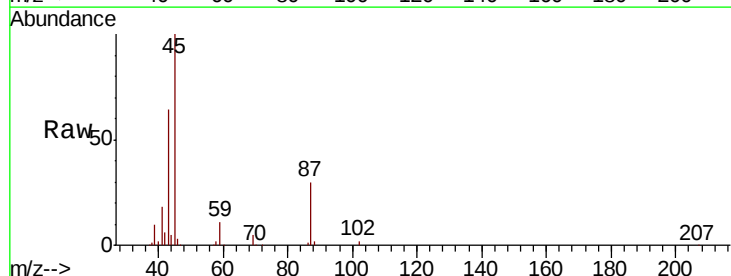
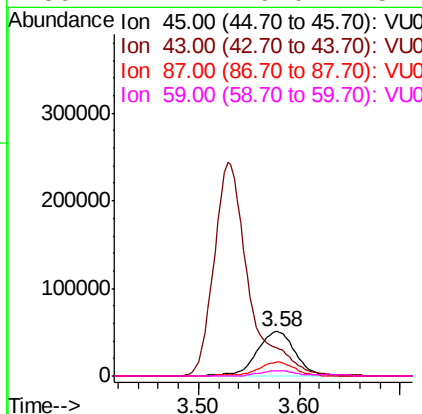
RT: 3.58 min Scan# 929

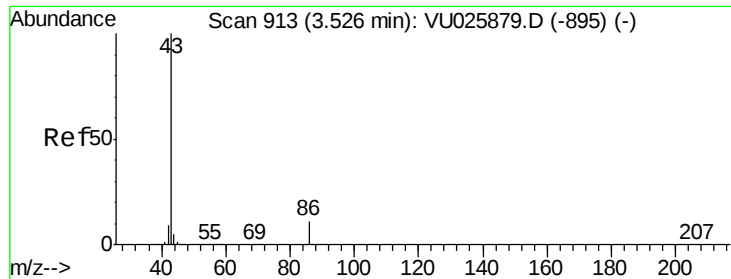
Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Tgt Ion:	45	Resp:	134073
Ion	Ratio	Lower	Upper
45	100		
43	61.5	50.9	76.3
87	30.5	23.8	35.8
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 106.52 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 43 Resp: 588221

Ion Ratio Lower Upper

43 100

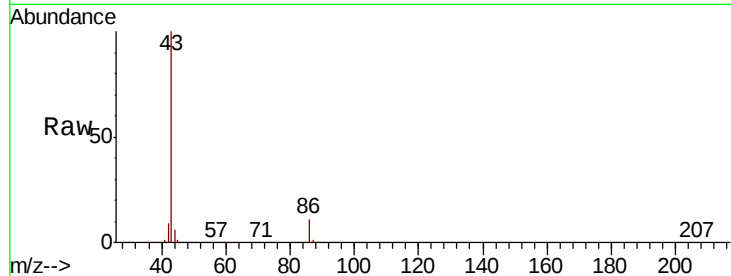
86 10.5 8.2 12.2

Manual Integrations

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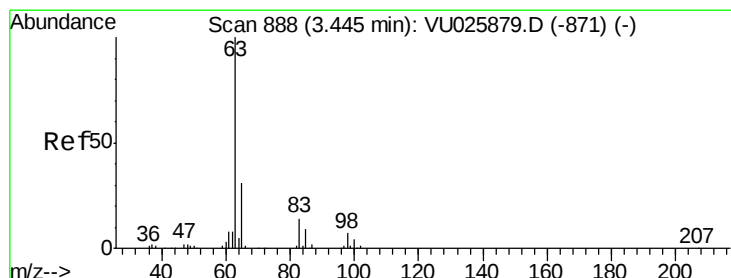
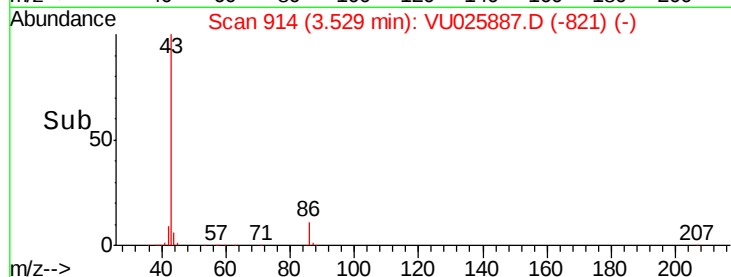
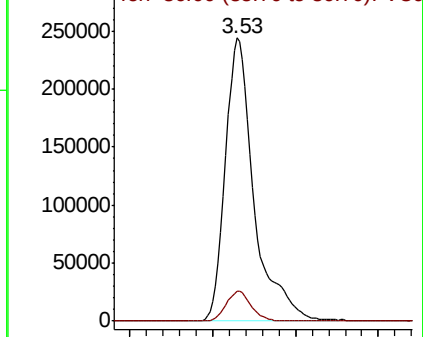
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.43 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

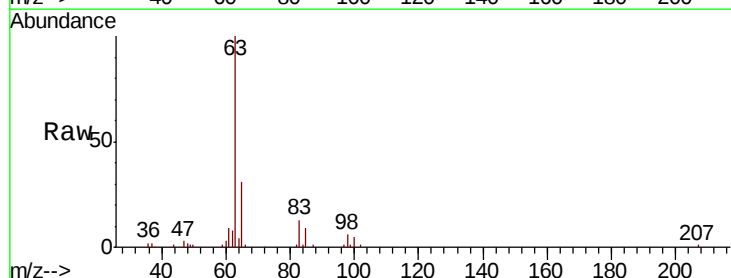
Tgt Ion: 63 Resp: 81530

Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.1

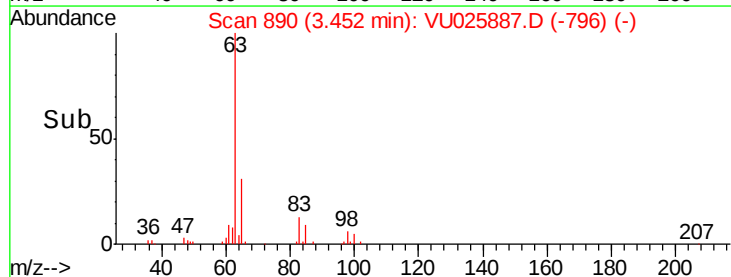
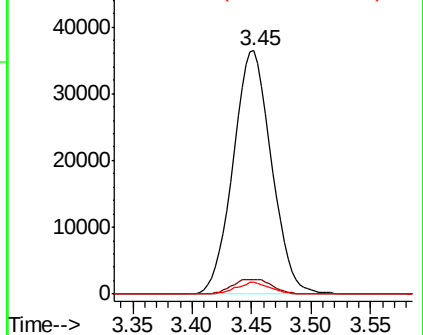
100 4.9 2.0 6.0

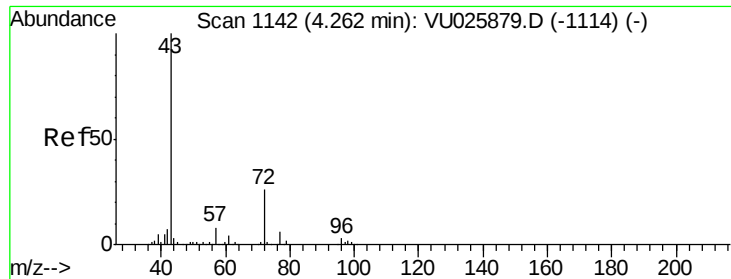


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





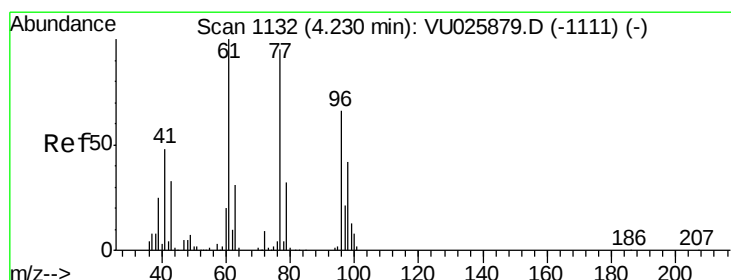
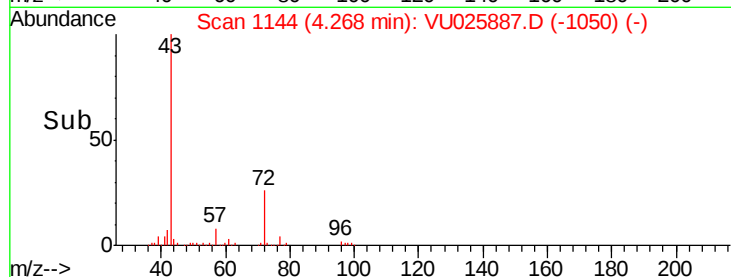
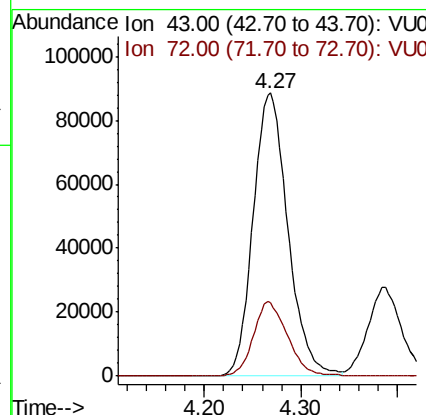
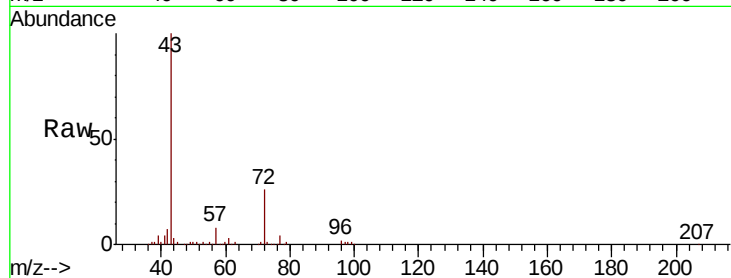
#25
2-Butanone
Concen: 127.68 ug/l
RT: 4.27 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.0	21.0	31.4

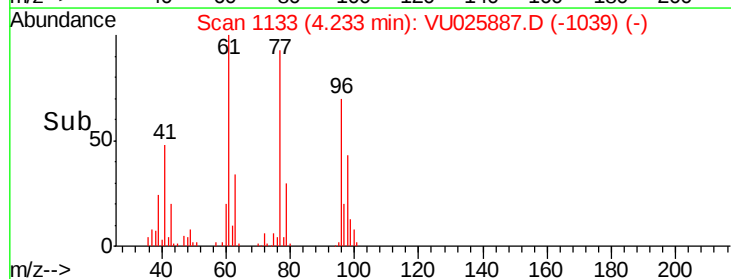
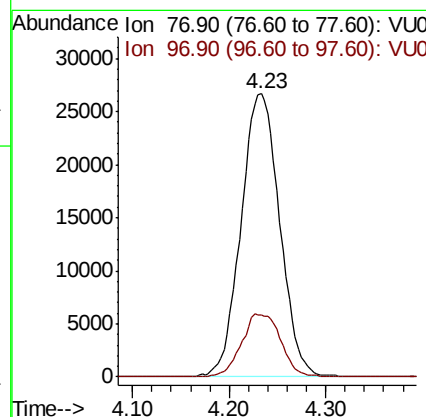
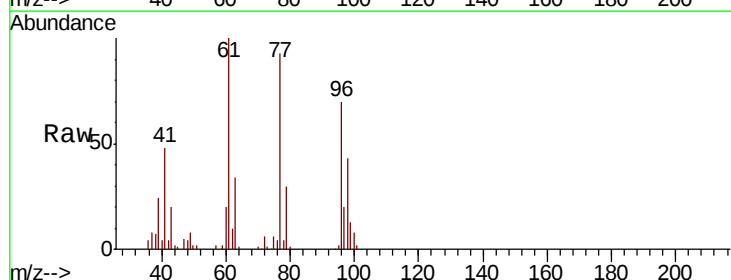
Manual Integrations
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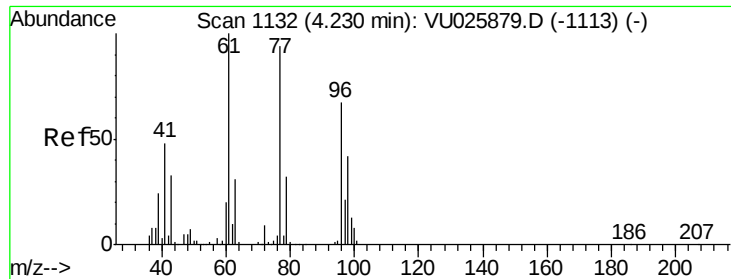
MMDadoda
8/7/2018 1:51:36 PM



#26
2,2-Dichloropropane
Concen: 21.40 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 20.67 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

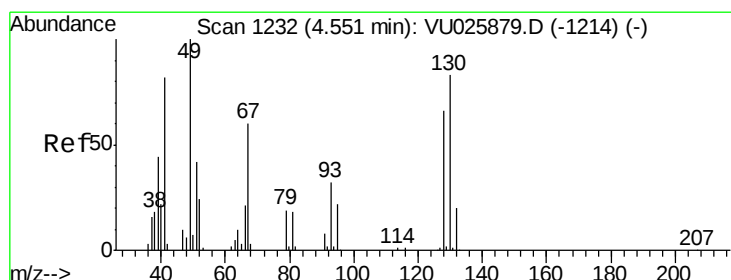
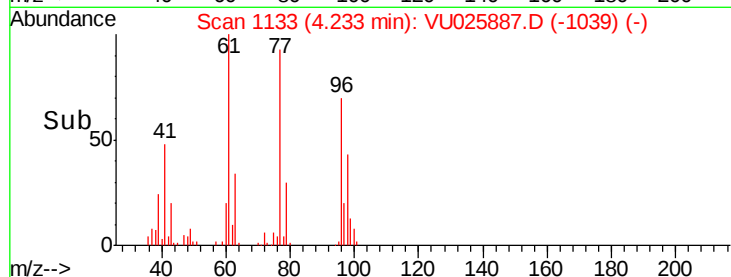
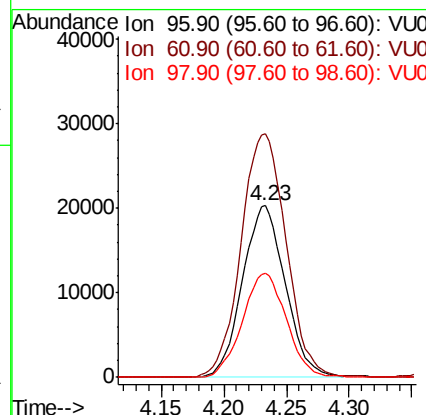
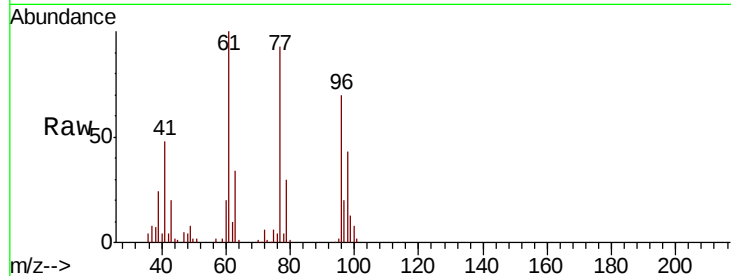
ClientSampleId :

VU0806MBS01

Tot Ion	96	Resp	48212
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	299.8
98	61.9	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.62 ug/l

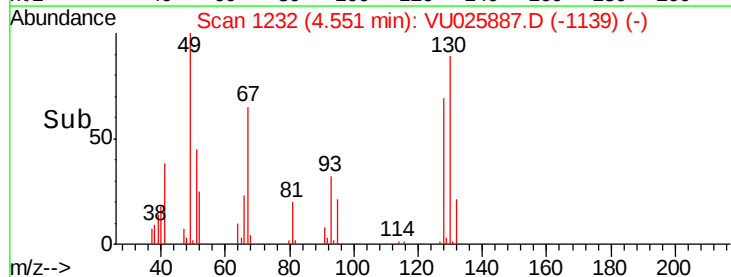
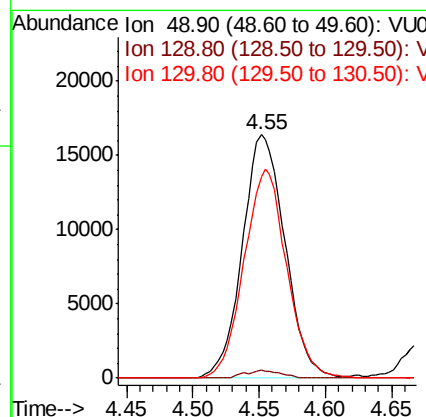
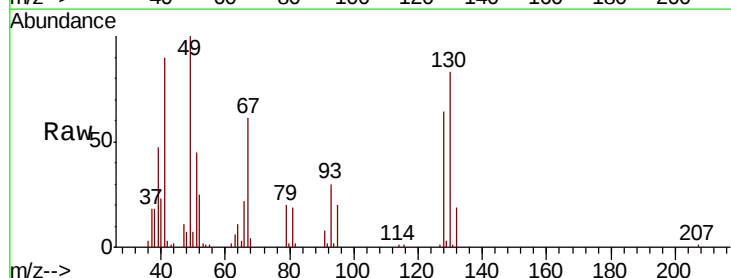
RT: 4.55 min Scan# 1232

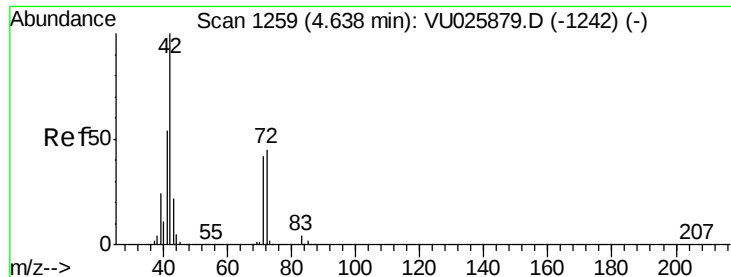
Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Tgt Ion	49	Resp	36761
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	85.7	68.6	102.8





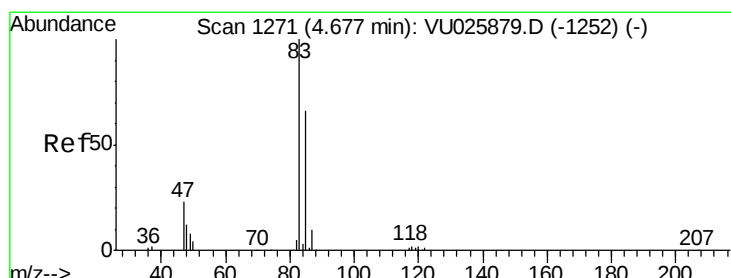
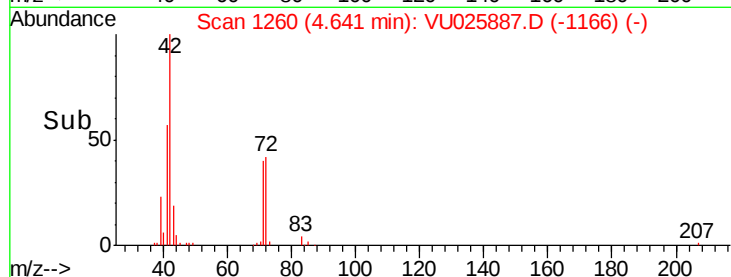
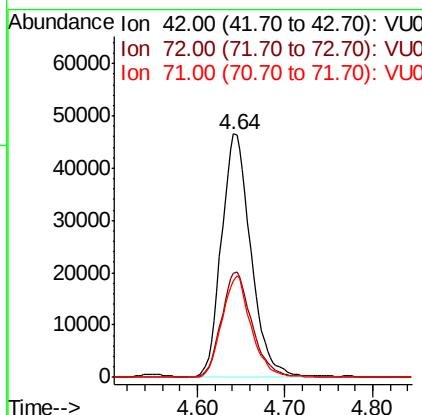
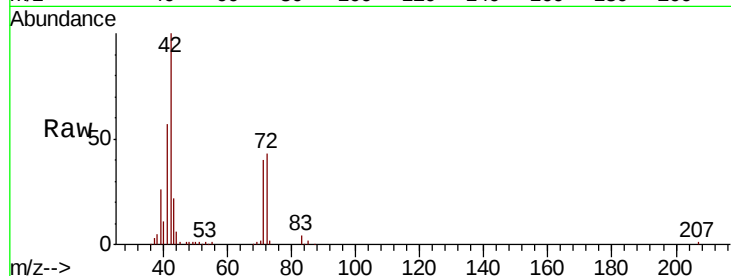
#29
Tetrahydrofuran
Concen: 105.63 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.7	55.1
71	40.8	33.9	50.9

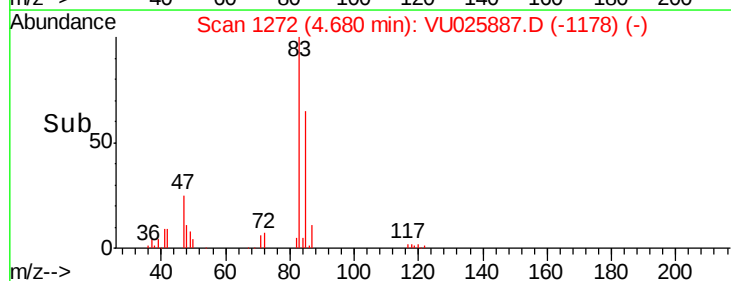
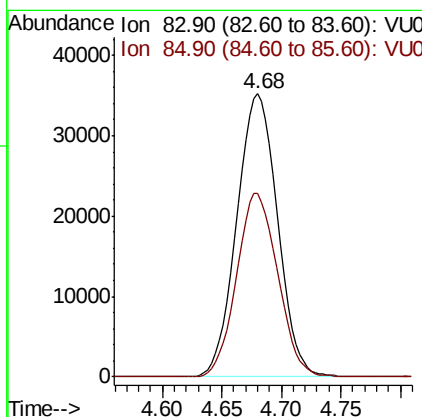
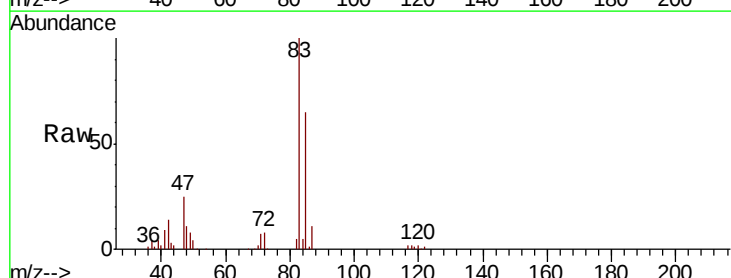
Manual Integrations
APPROVED

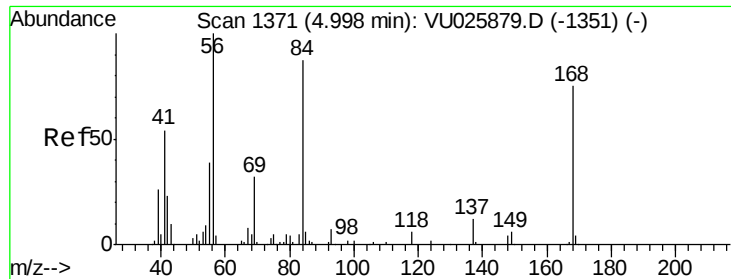
MMDadoda
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#30
Chloroform
Concen: 20.84 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





#31

Cyclohexane

Concen: 20.29 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

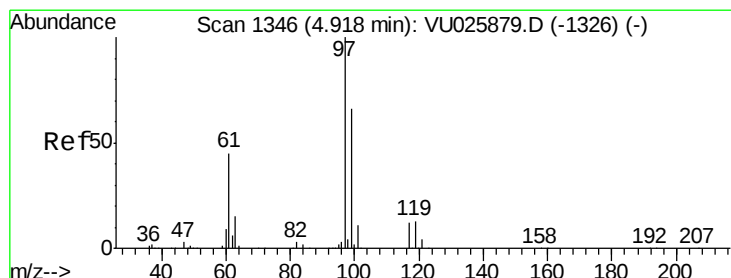
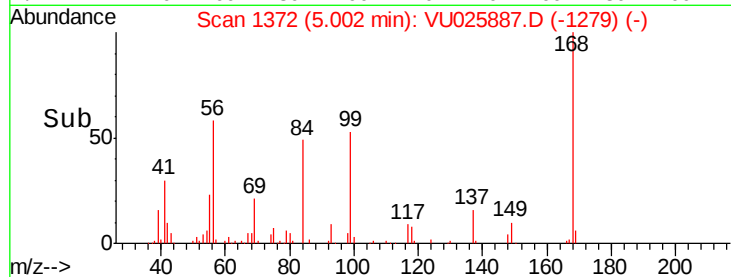
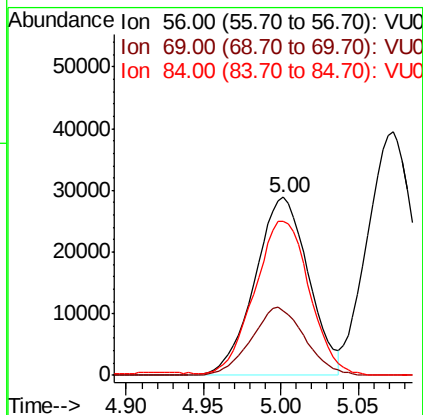
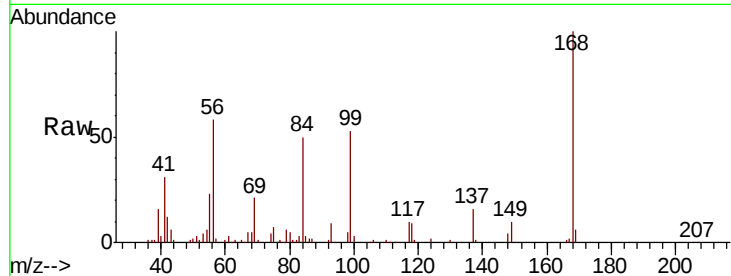
ClientSampleId :

VU0806MBS01

Tot Ion:	56	Resp:	69784
Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.8	40.2
84	85.6	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.27 ug/l

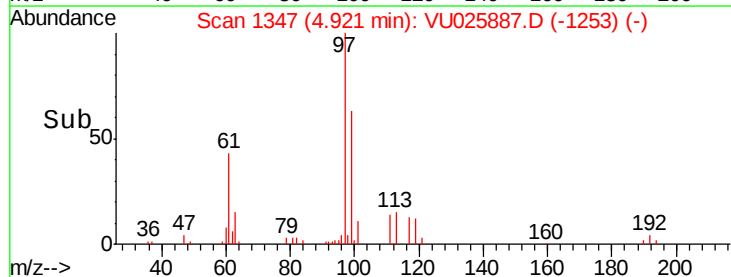
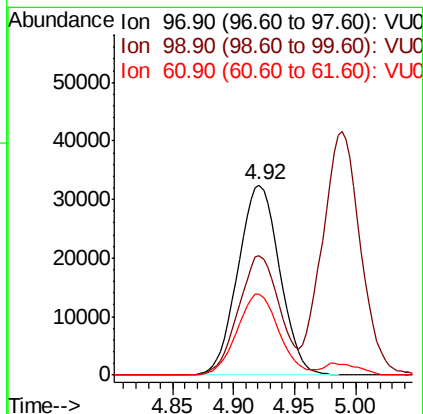
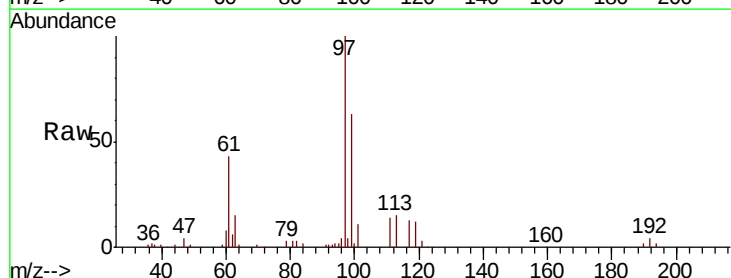
RT: 4.92 min Scan# 1347

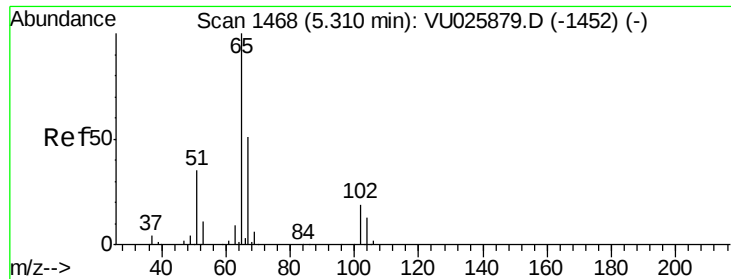
Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Tgt Ion:	97	Resp:	76875
Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.8	76.2
61	42.6	35.2	52.8





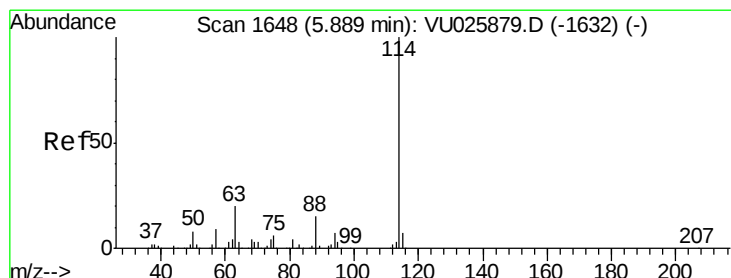
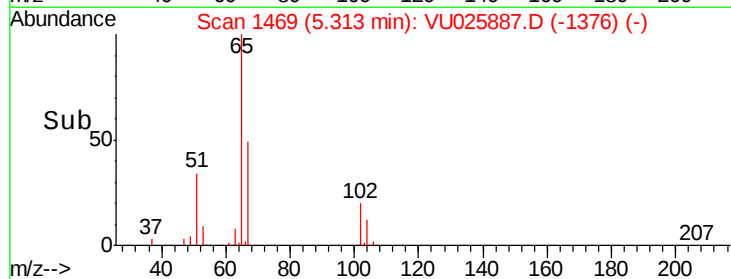
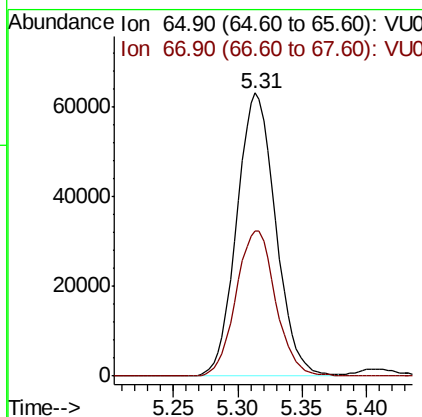
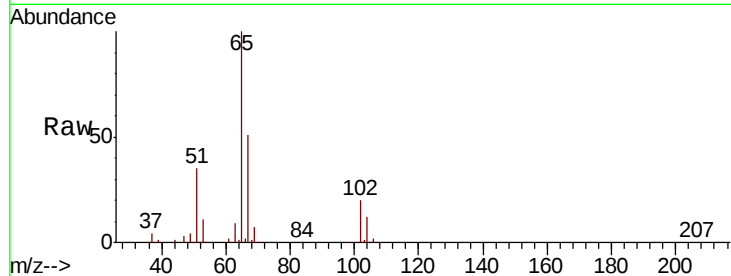
#33
 1,2-Dichloroethane-d4
 Concen: 51.18 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.6

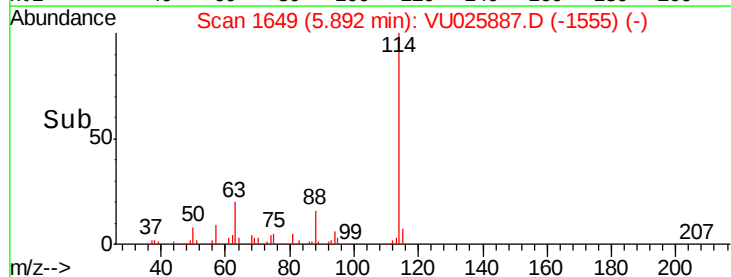
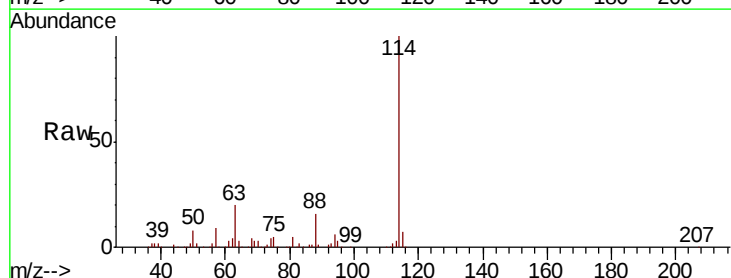
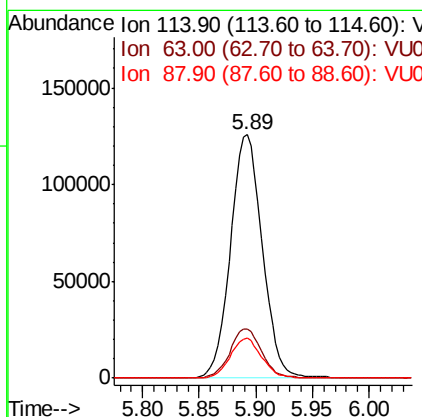
Manual Integrations
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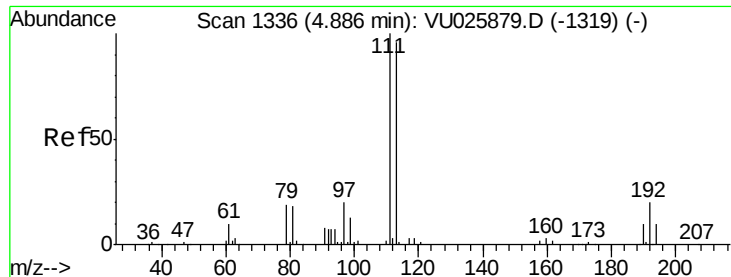
MMDadoda
 8/7/2018 1:51:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.6
88	16.3	0.0	32.4





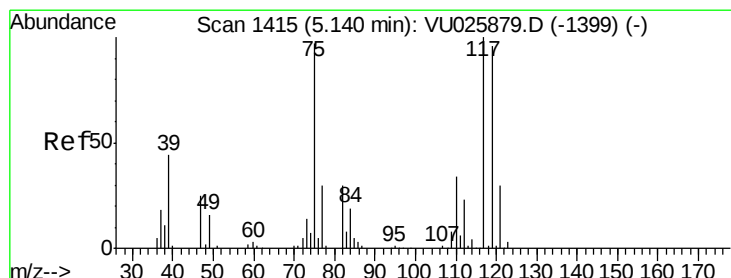
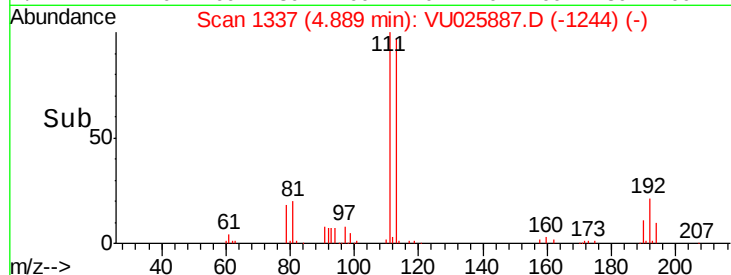
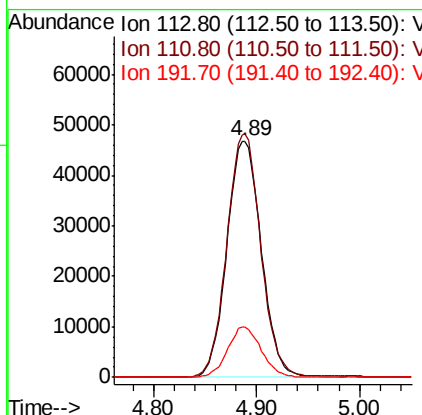
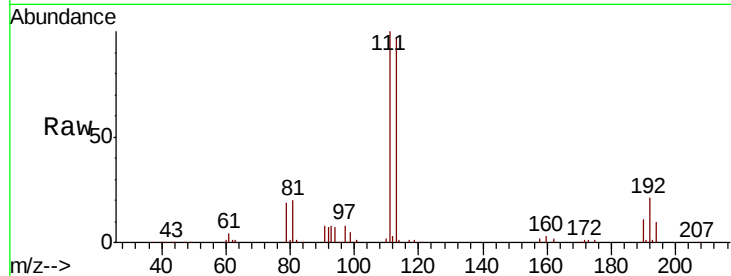
#35
 Dibromofluoromethane
 Concen: 50.57 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108440		
111	101.6	81.7	122.5	
192	20.9	17.1	25.7	

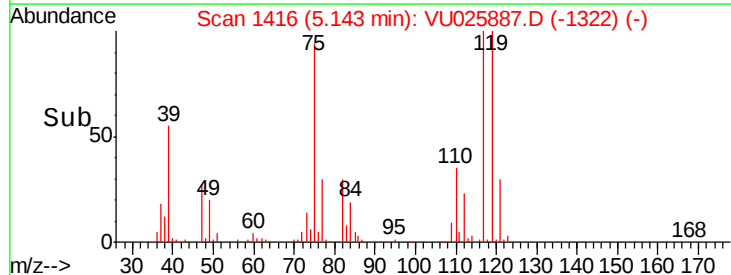
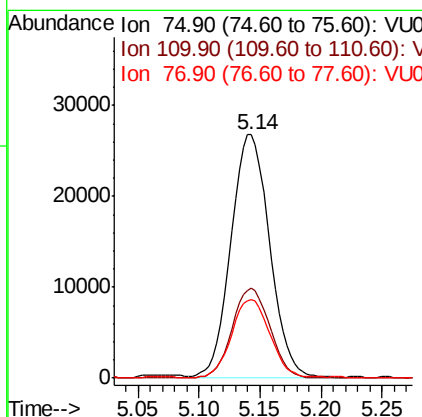
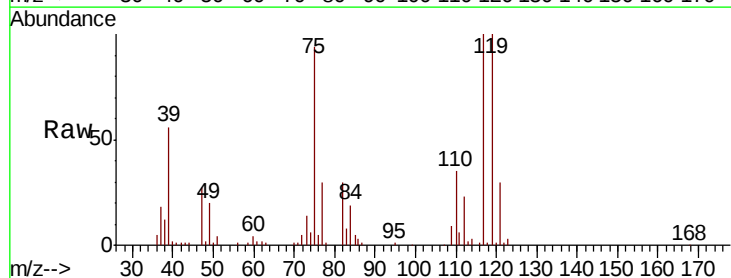
Manual Integrations
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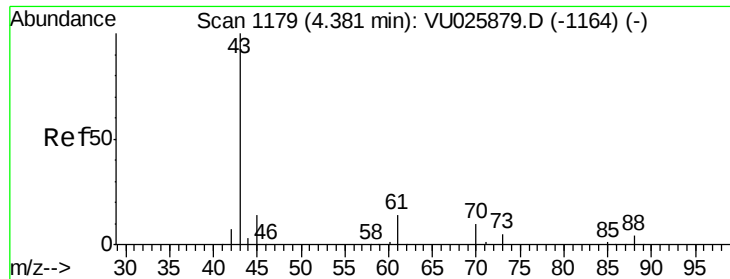
MMDadoda
 8/7/2018 1:51:36 PM



#36
 1,1-Dichloropropene
 Concen: 20.57 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59256		
110	35.8	17.6	52.9	
77	32.3	24.4	36.6	





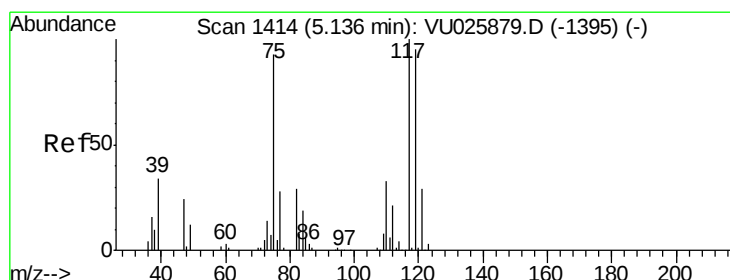
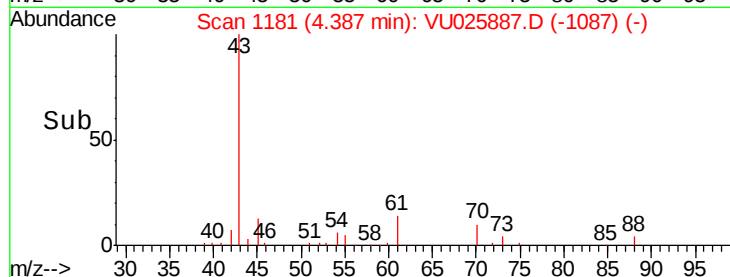
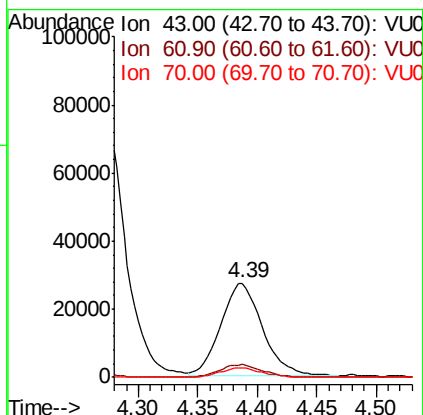
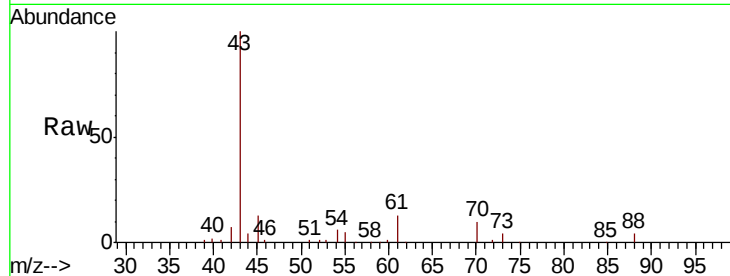
#37
Ethyl Acetate
Concen: 22.10 ug/l
RT: 4.39 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	10.2	8.4	12.6

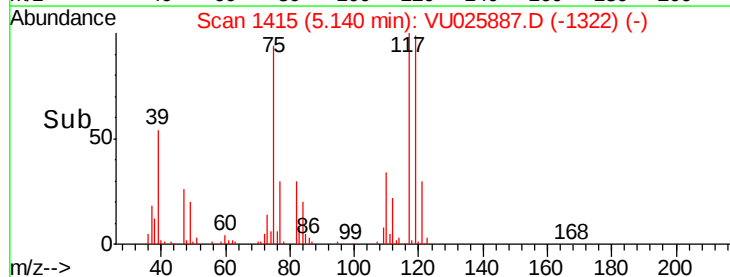
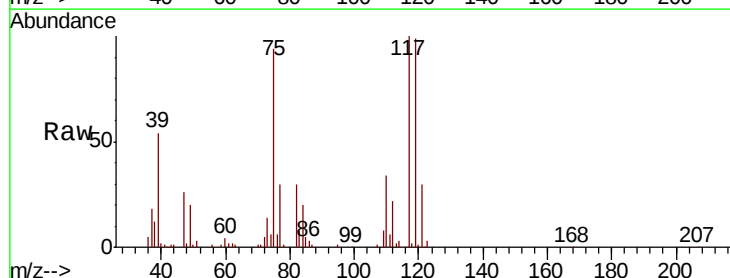
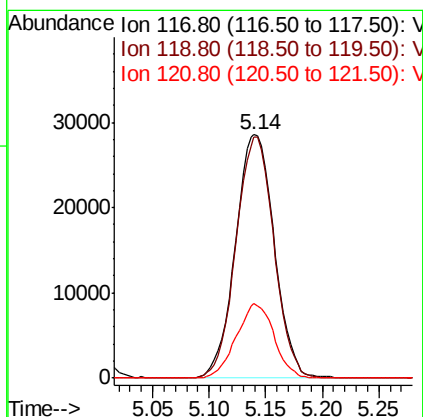
Manual Integrations
APPROVED

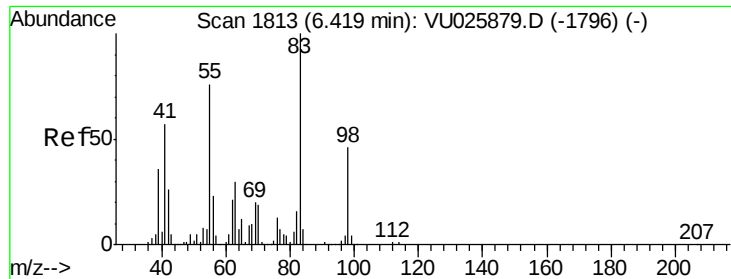
MMDadoda
8/7/2018 1:51:36 PM



#38
Carbon Tetrachloride
Concen: 20.90 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.7	113.5
121	30.4	24.6	36.8





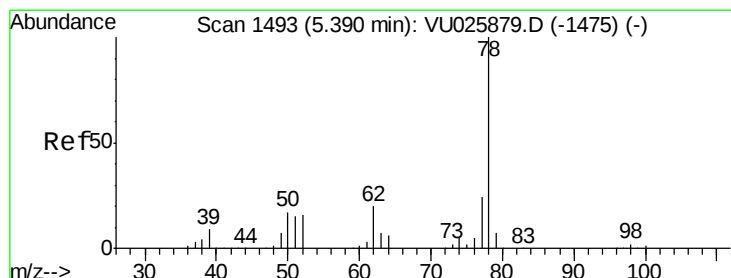
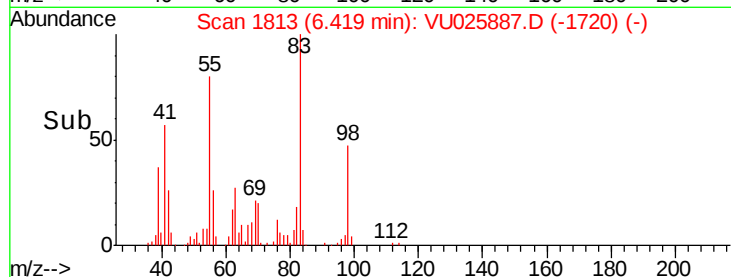
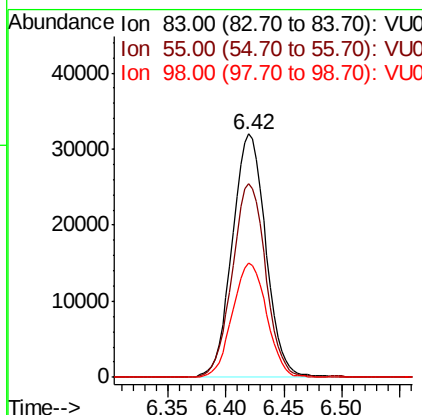
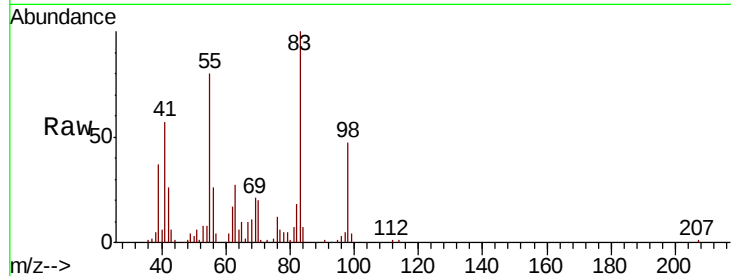
#39
Methylvlcyclohexane
Concen: 19.45 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	60.0	90.0
98	46.9	36.1	54.1

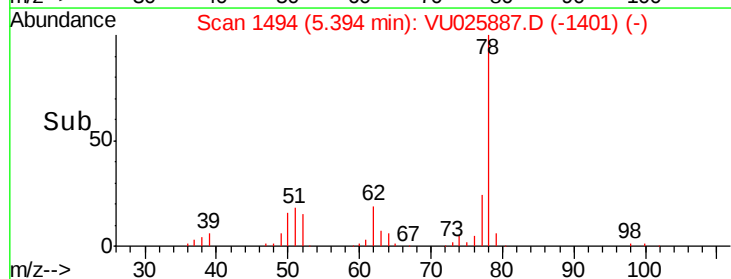
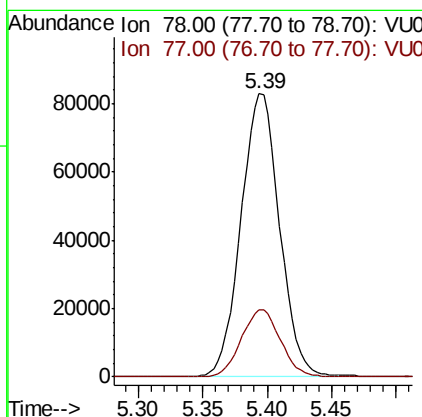
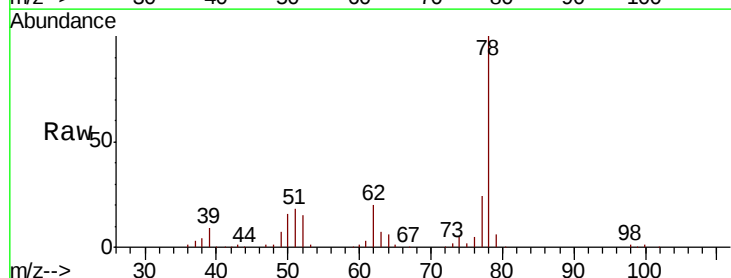
Manual Integrations
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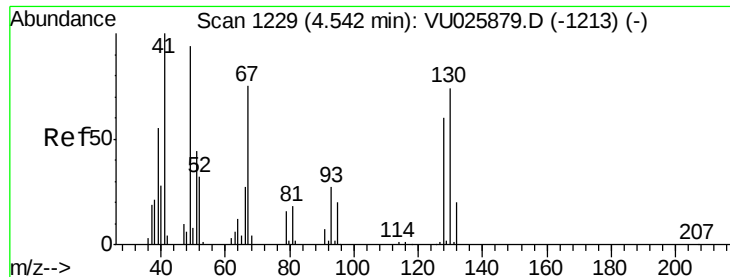
MMDadoda
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#40
Benzene
Concen: 20.58 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.6





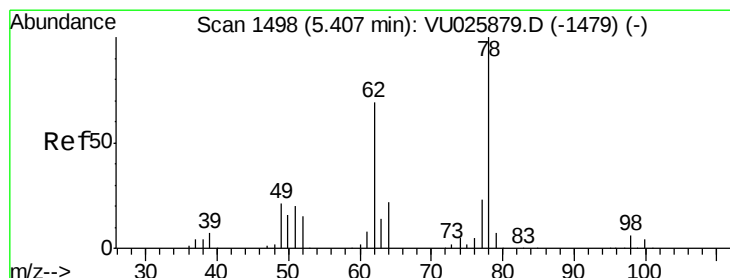
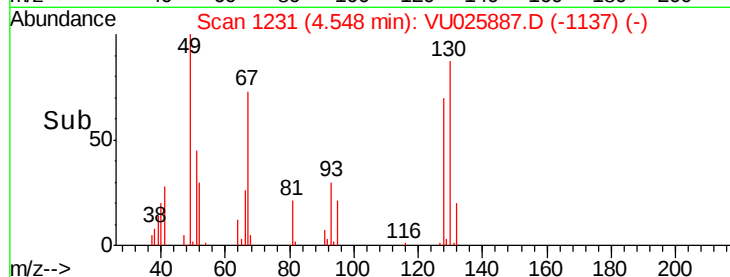
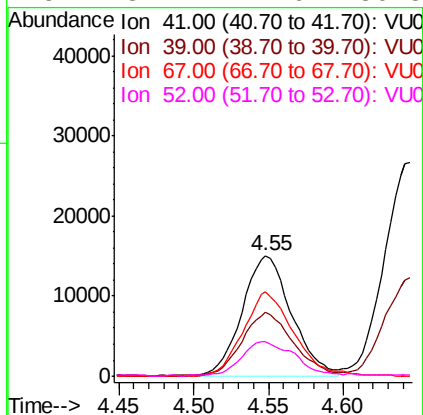
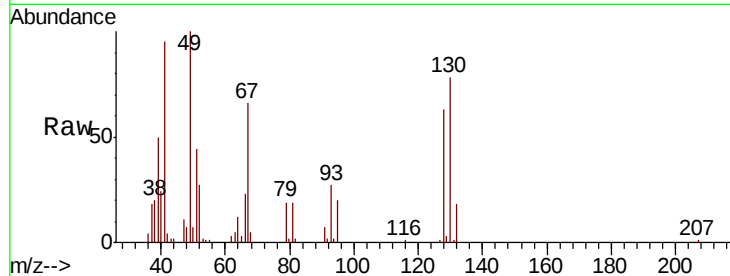
#41
Methacrylonitrile
Concen: 20.89 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ion	Ratio	Lower	Upper
34662	41	100		
	39	53.2	44.4	66.6
	67	71.1	56.0	84.0
	52	31.4	24.6	36.8

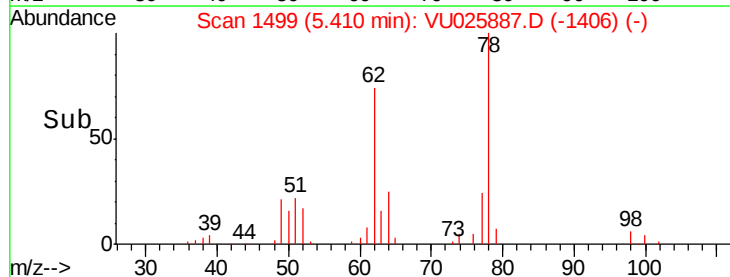
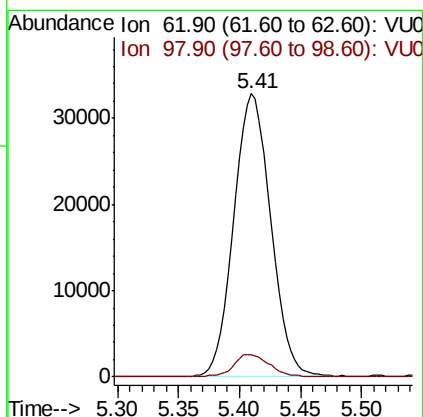
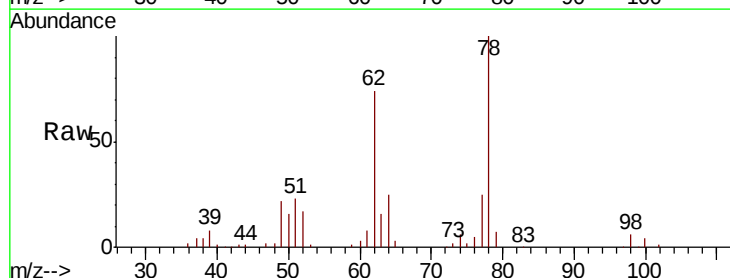
Manual Integrations
APPROVED

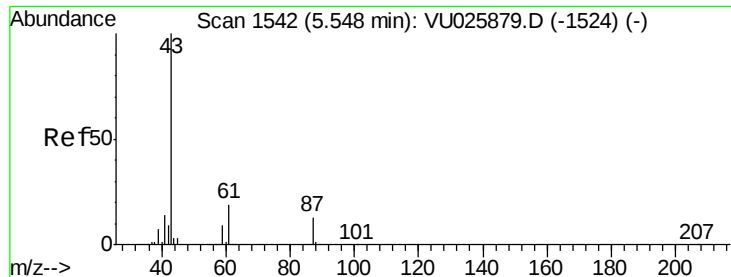
MMDadoda
8/7/2018 1:51:36 PM



#42
1,2-Dichloroethane
Concen: 21.32 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ion	Ratio	Lower	Upper
69152	62	100		
	98	7.7	0.0	16.4





#43

Isopropyl Acetate

Concen: 20.68 ug/l

RT: 5.55 min Scan# 1544

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

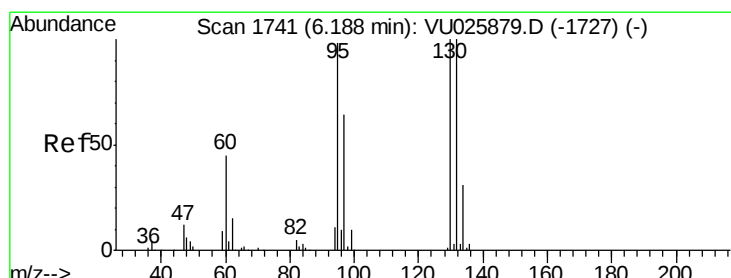
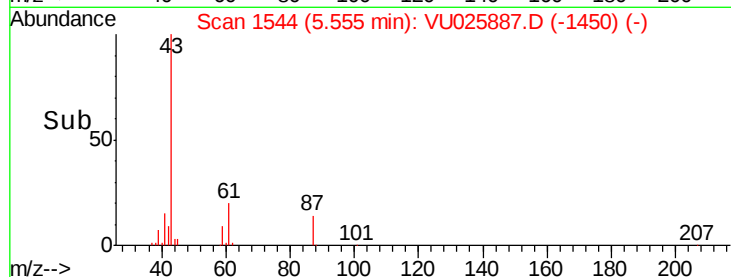
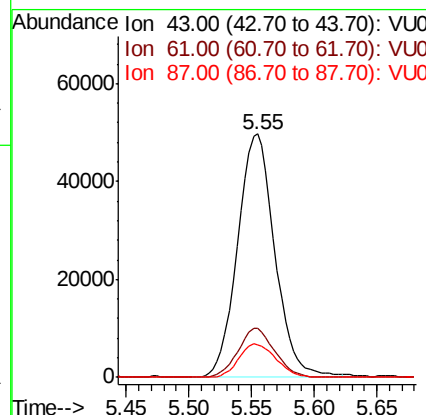
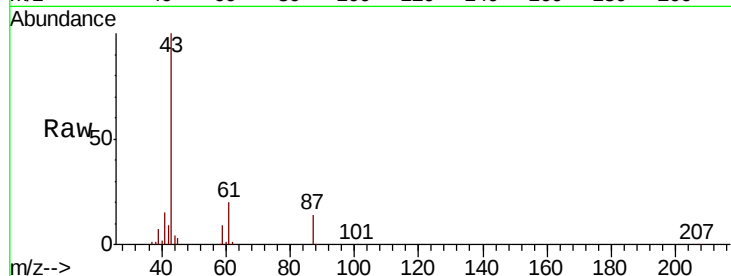
ClientSampleId :

VU0806MBS01

Tot Ion:	43	Resp:	102078
Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	13.7	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.86 ug/l

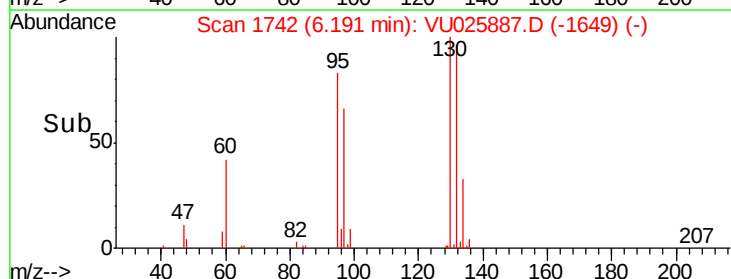
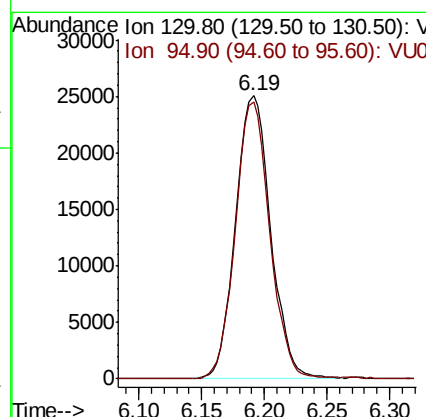
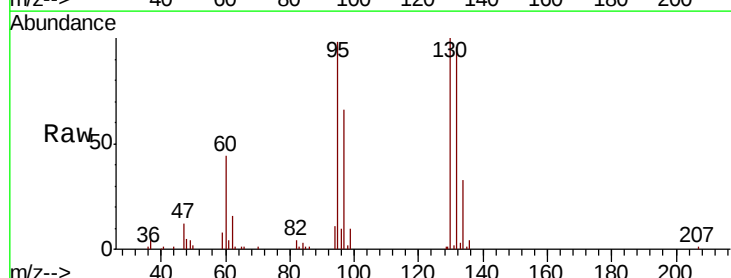
RT: 6.19 min Scan# 1742

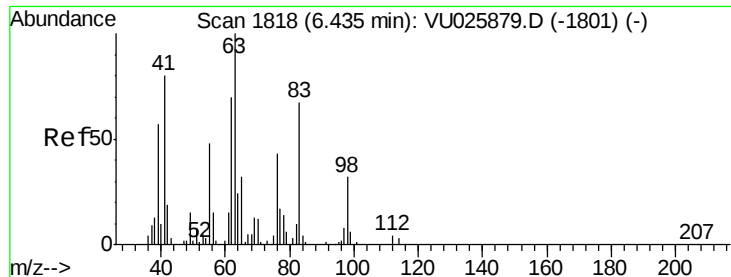
Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Tgt Ion:	130	Resp:	48924
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	192.2





#45

1,2-Dichloropropane

Concen: 21.09 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampled :

VU0806MBS01

Tot Ion: 63 Resp: 46328

Ion Ratio Lower Upper

63 100

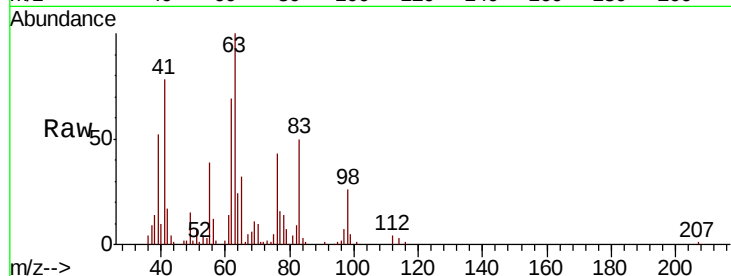
65 31.8 26.1 39.1

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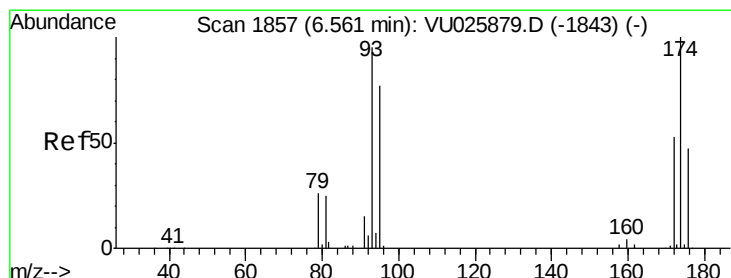
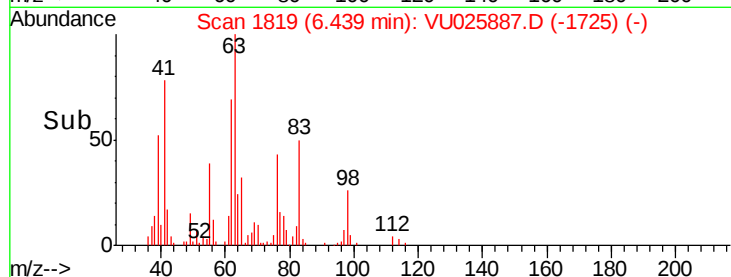
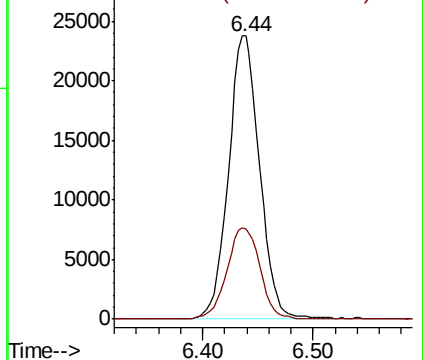
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 21.17 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

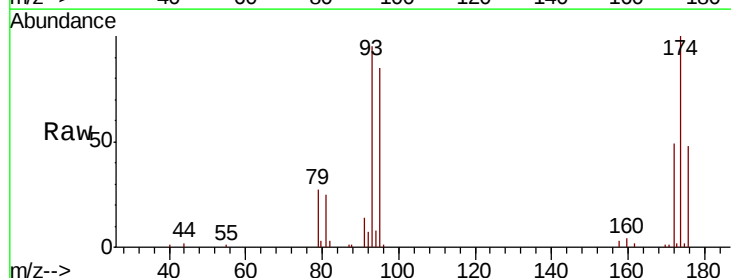
Tgt Ion: 93 Resp: 33701

Ion Ratio Lower Upper

93 100

95 81.0 66.6 100.0

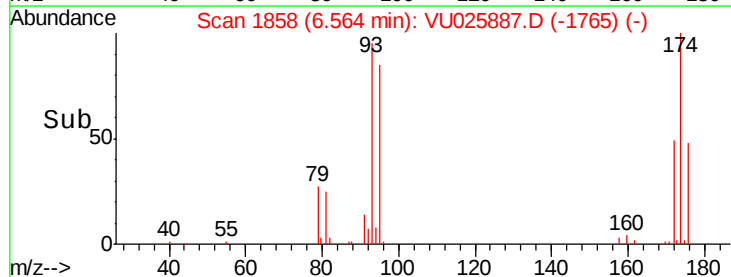
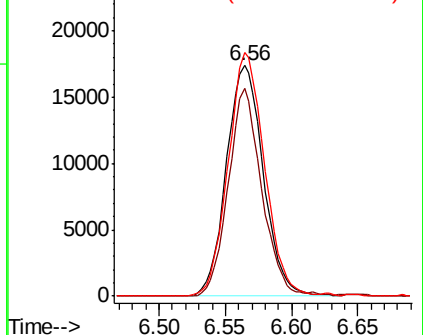
174 103.5 85.8 128.8

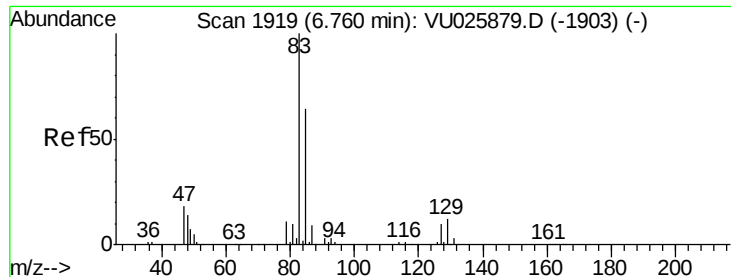


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.00 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

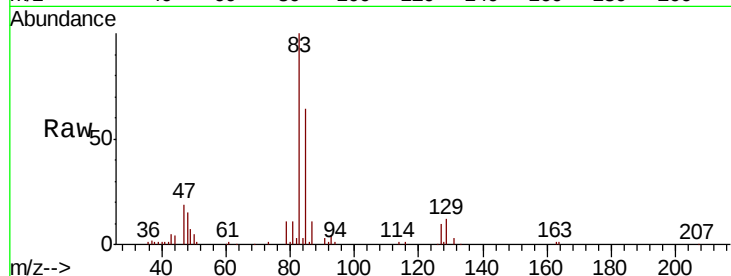
ClientSampleId :

VU0806MBS01

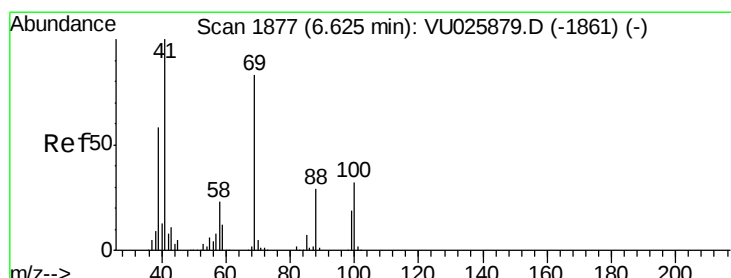
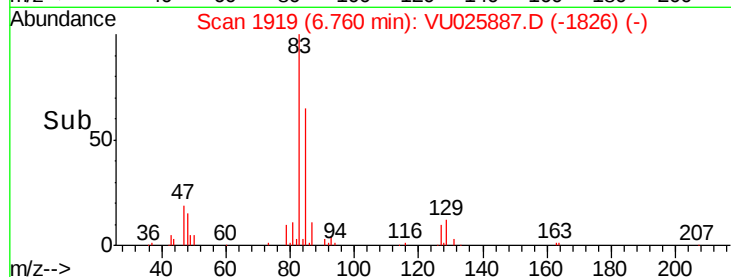
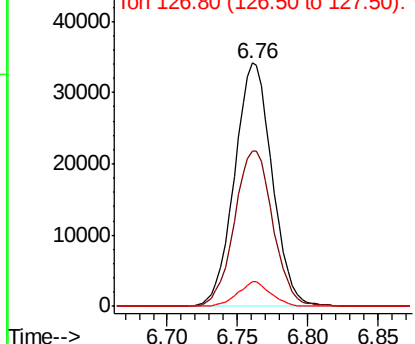
Tot Ion:	83	Resp:	63745
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.4
127	9.9	7.2	10.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.66 ug/l

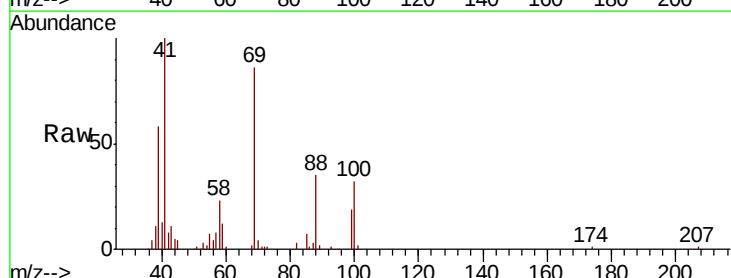
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

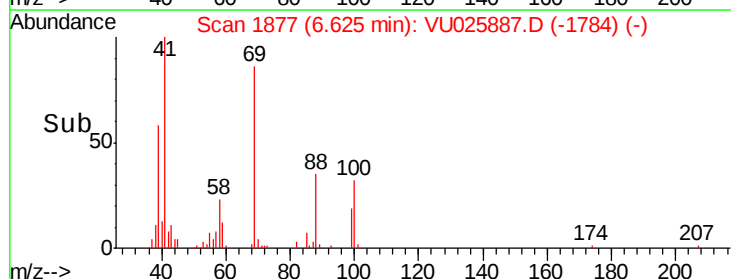
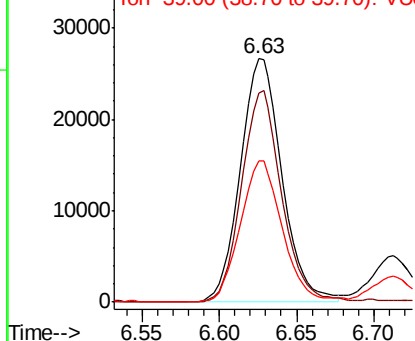
Lab File: VU025887.D

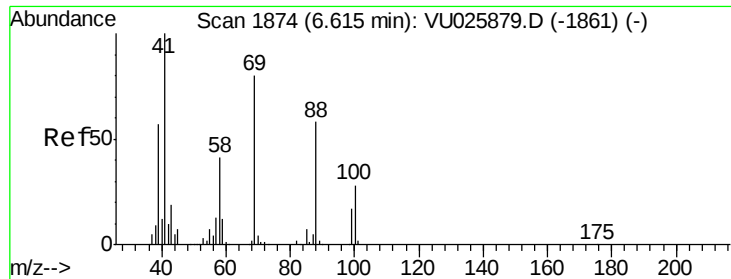
Acq: 06 Aug 2018 15:44

Tgt Ion:	41	Resp:	49992
Ion	Ratio	Lower	Upper
41	100		
69	83.2	65.0	97.4
39	58.7	46.4	69.6



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0





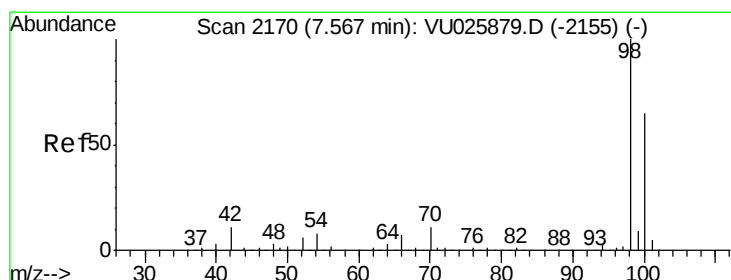
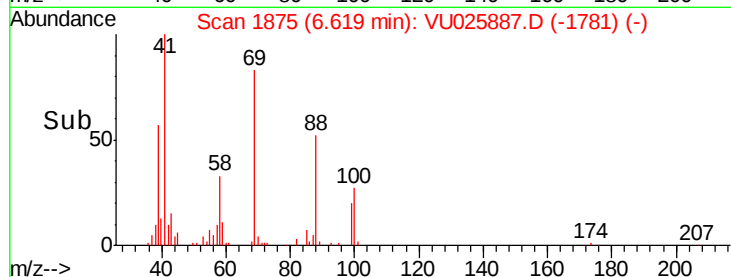
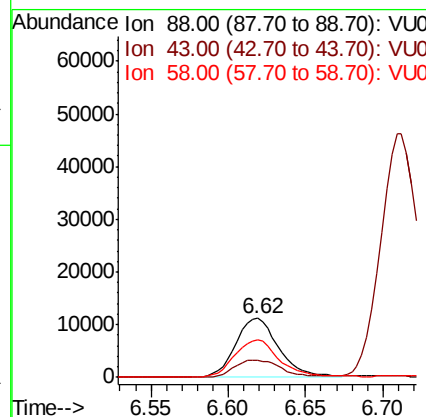
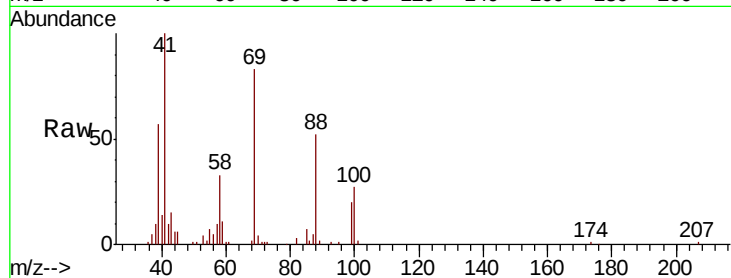
#49
 1,4-Dioxane
 Concen: 369.87 ug/l
 RT: 6.62 min Scan# 1875
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	27.3	40.9
58	67.3	57.6	86.4

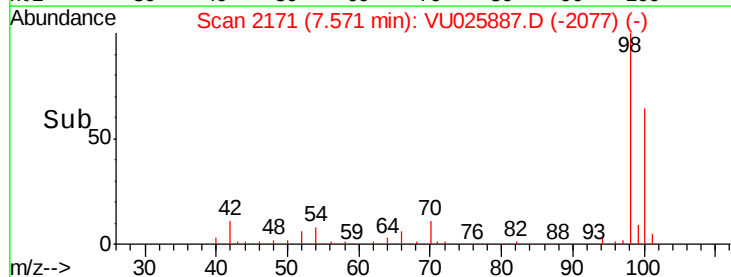
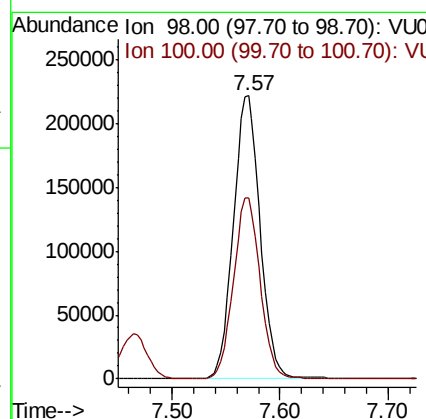
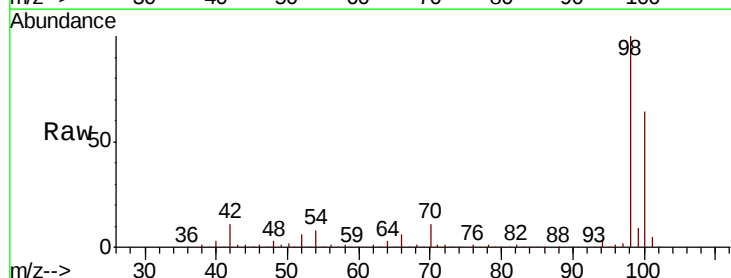
Manual Integrations
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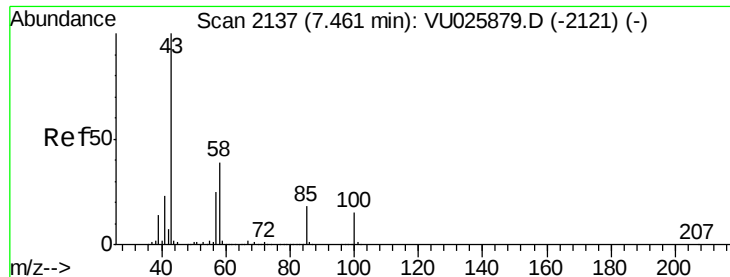
MMDadoda
 8/7/2018 1:51:36 PM



#50
 Toluene-d8
 Concen: 51.17 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 132.10 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 43 Resp: 408321

Ion Ratio Lower Upper

43 100

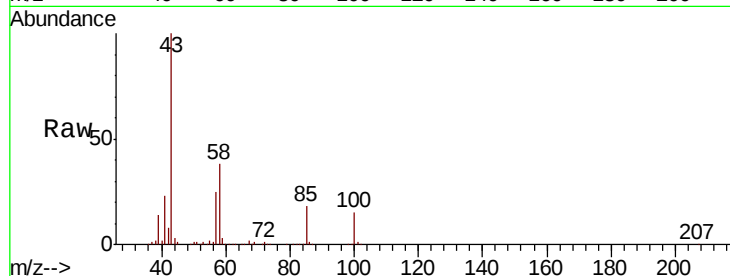
58 38.2 31.0 46.4

Manual Integrations

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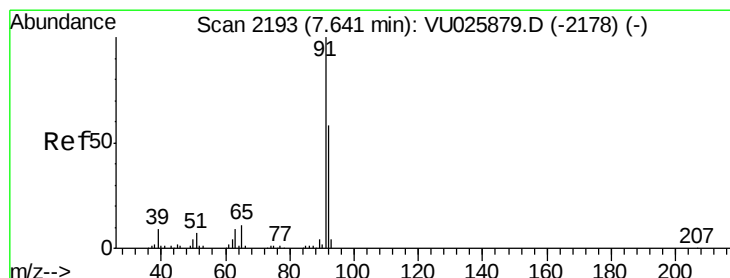
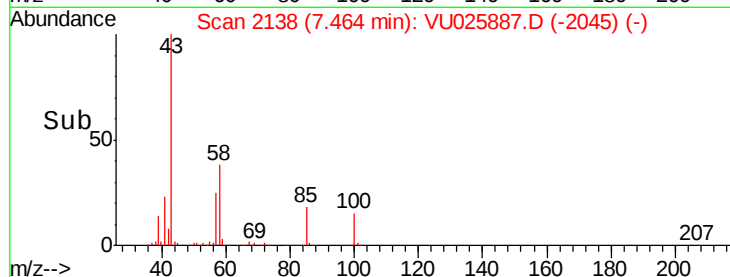
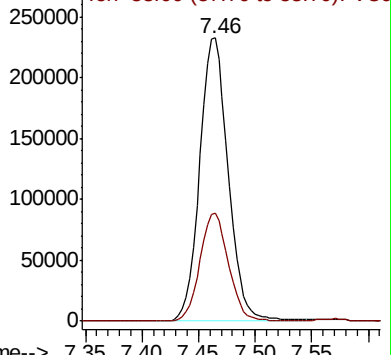
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 21.24 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025887.D

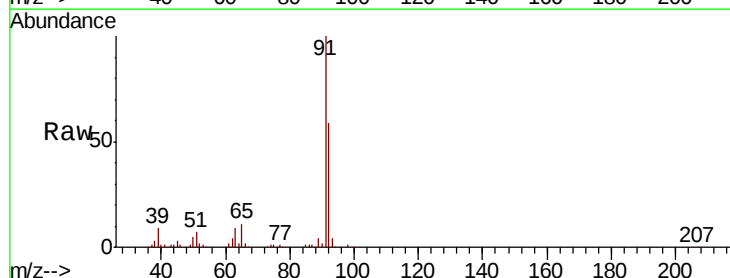
Acq: 06 Aug 2018 15:44

Tgt Ion: 92 Resp: 111121

Ion Ratio Lower Upper

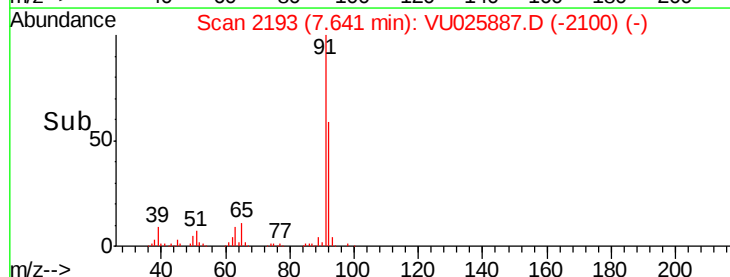
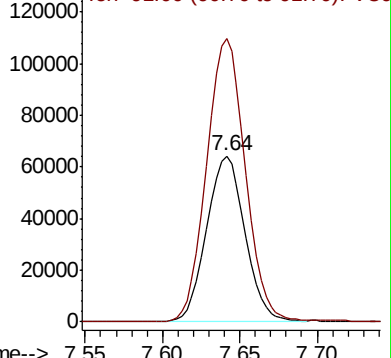
92 100

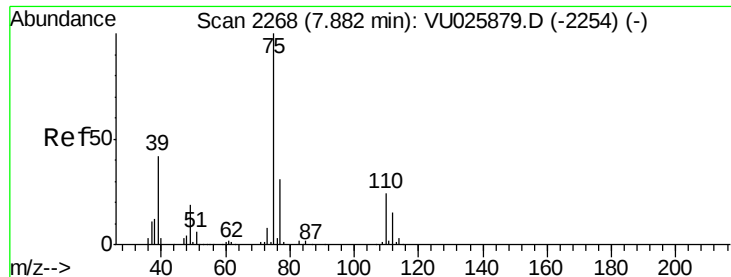
91 172.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 20.98 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 75 Resp: 71518

Ion Ratio Lower Upper

75 100

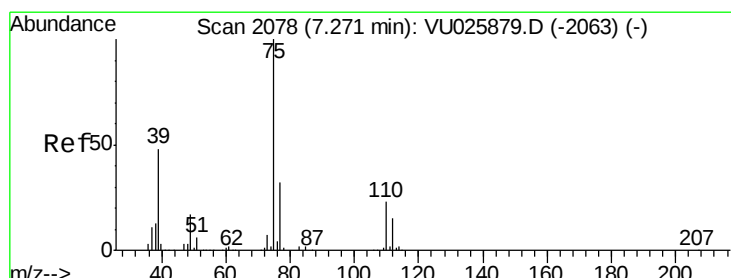
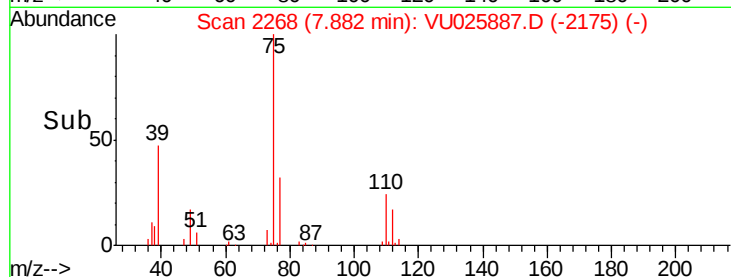
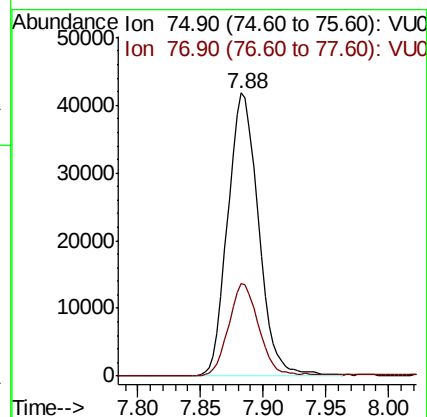
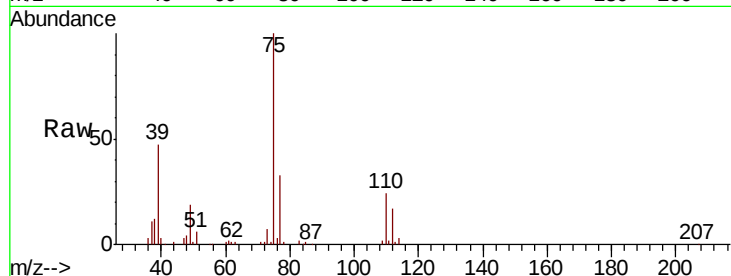
77 32.8 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 21.20 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

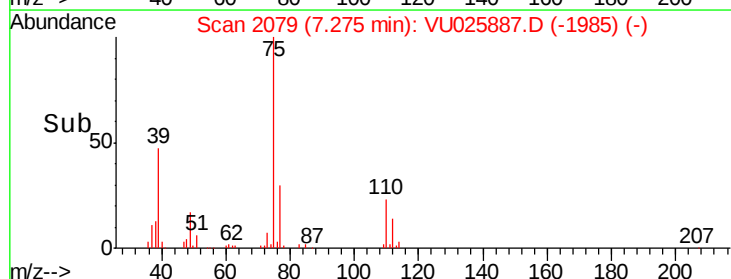
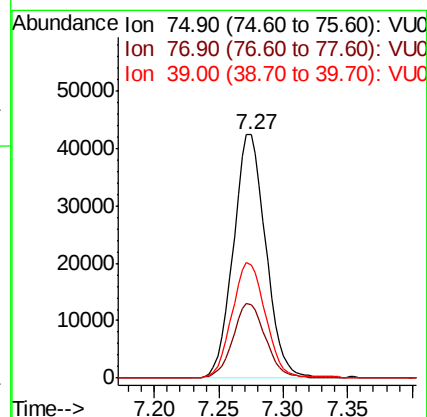
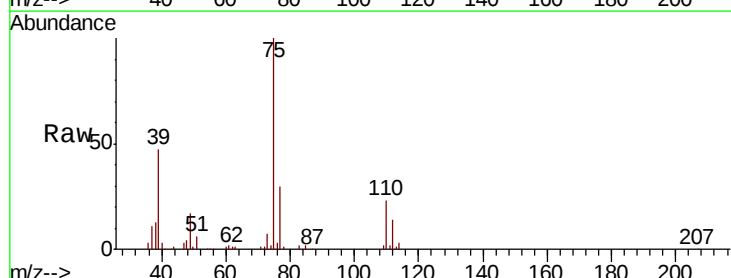
Tgt Ion: 75 Resp: 74246

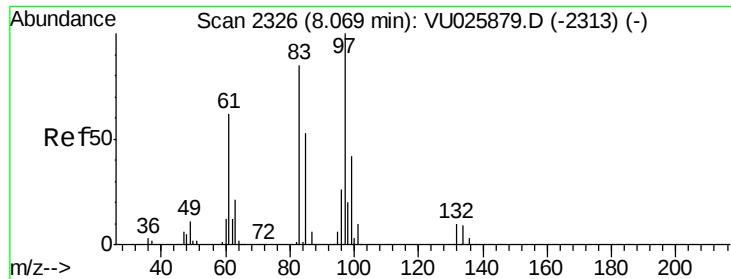
Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4

39 46.7 40.0 60.0





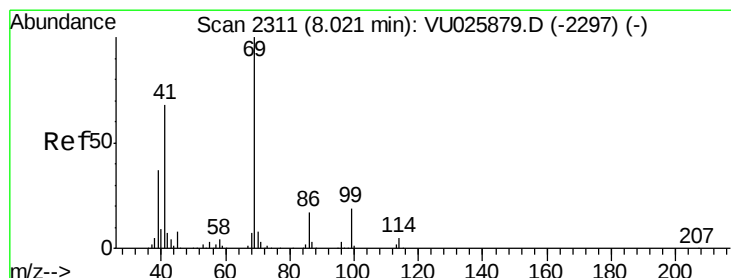
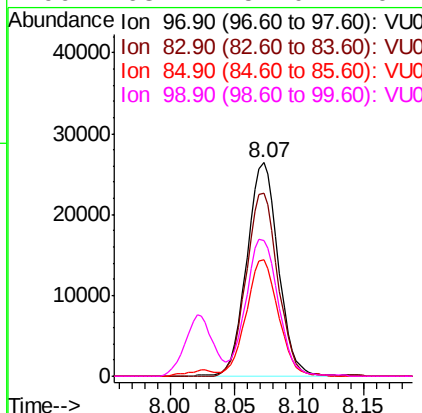
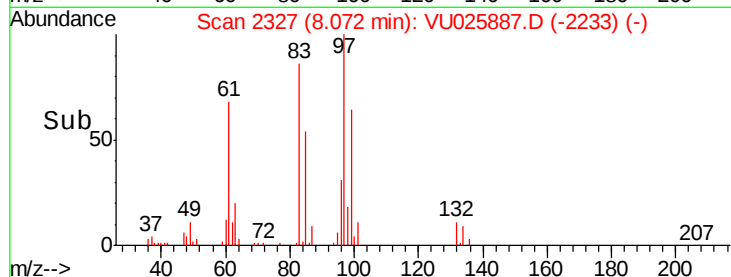
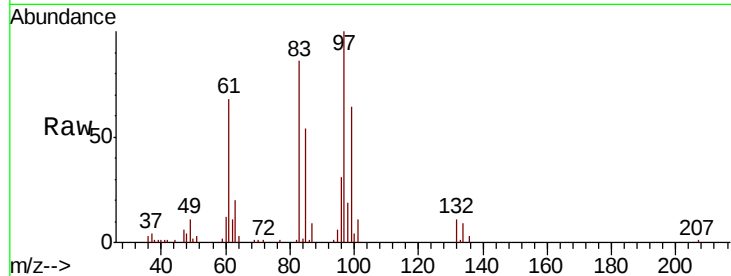
#55
 1,1,2-Trichloroethane
 Concen: 20.77 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion:	97	Resp:	45160
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.9	103.3
85	54.3	44.4	66.6
99	63.1	51.0	76.4

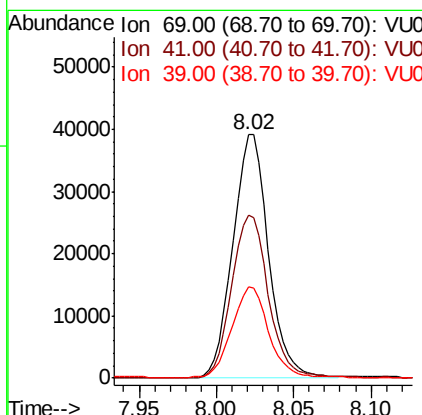
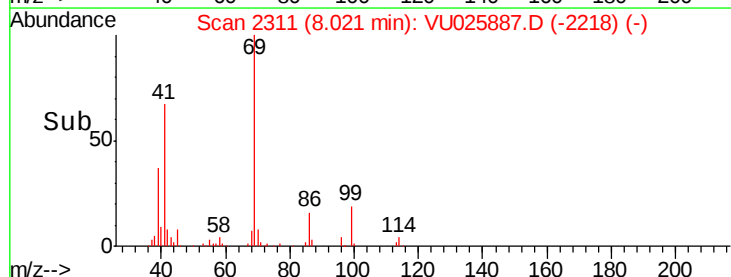
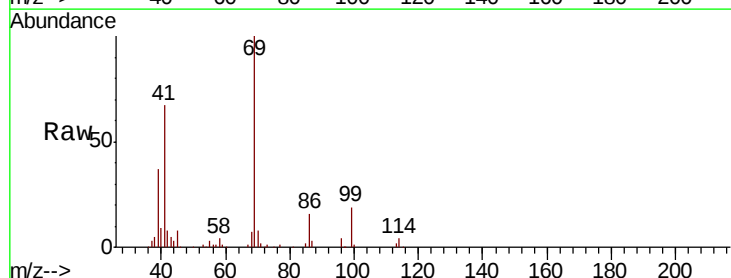
Manual Integrations
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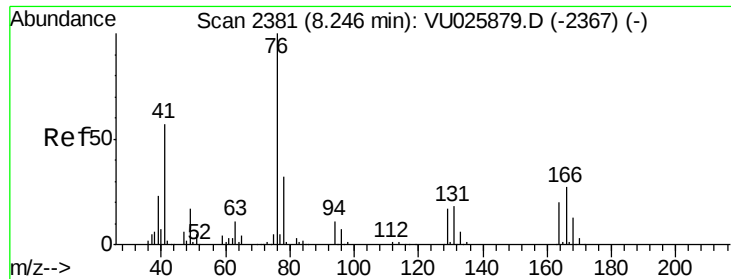
MMDadoda
 8/7/2018 1:51:36 PM



#56
 Ethyl methacrylate
 Concen: 20.22 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion:	69	Resp:	62816
Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.8	82.2
39	38.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 21.28 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 76 Resp: 77801

Ion Ratio Lower Upper

76 100

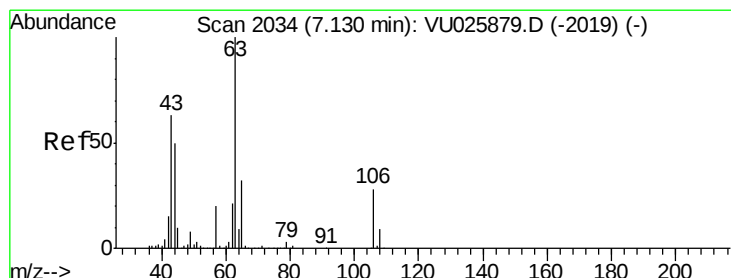
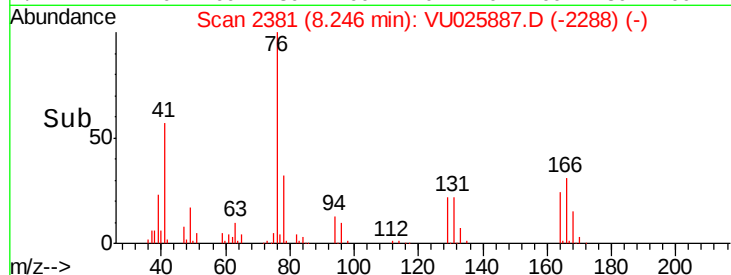
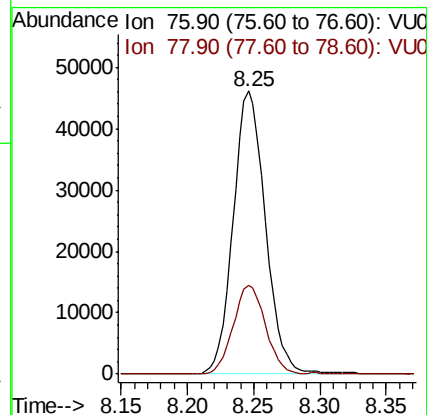
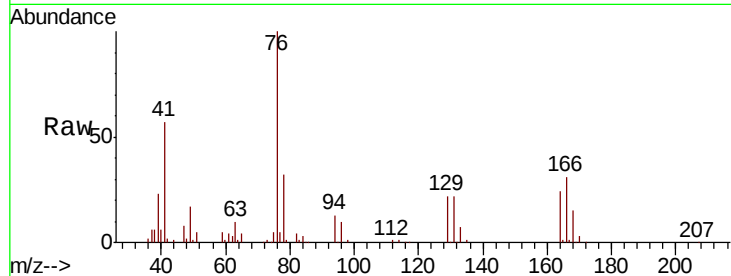
78 31.5 26.1 39.1

Manual Integrations

APPROVED

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8/7/2018 1:51:36 PM



#58

2-Chloroethyl Vinyl ether

Concen: 87.95 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025887.D

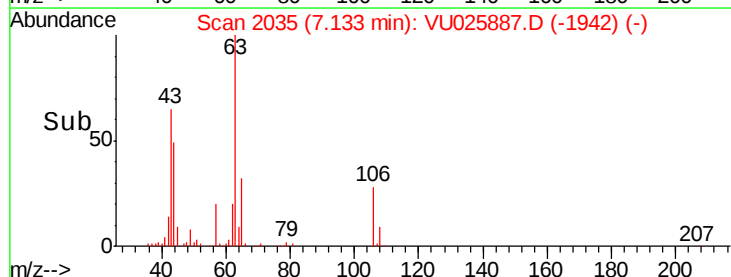
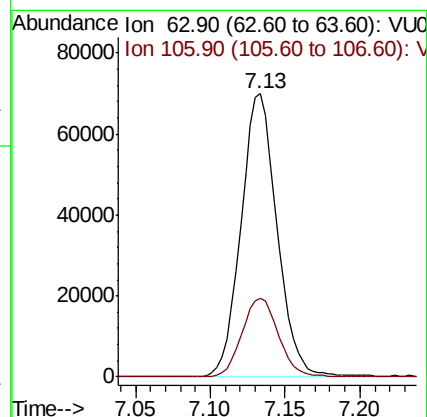
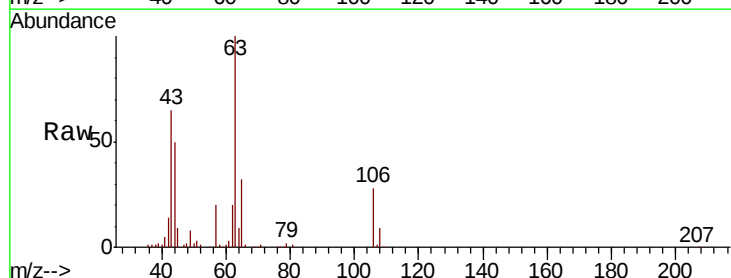
Acq: 06 Aug 2018 15:44

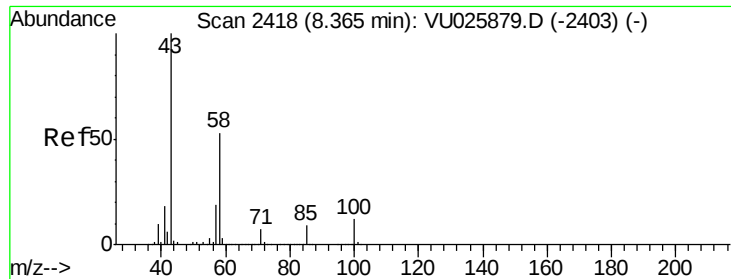
Tgt Ion: 63 Resp: 117099

Ion Ratio Lower Upper

63 100

106 28.3 22.3 33.5





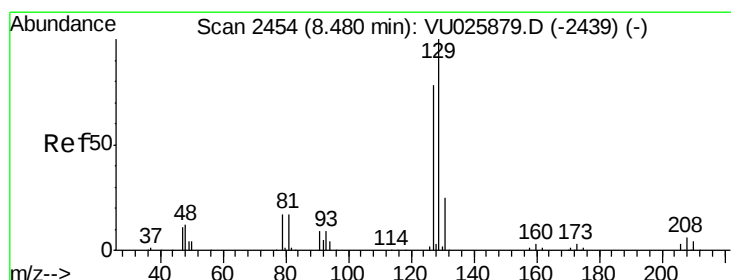
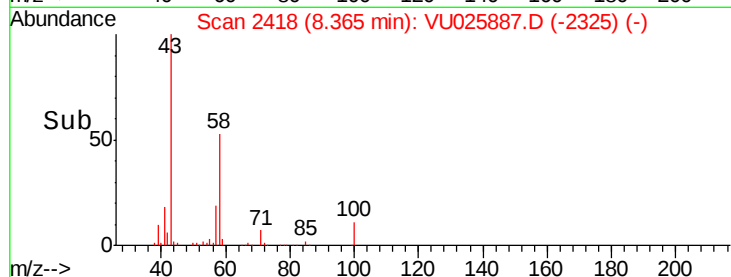
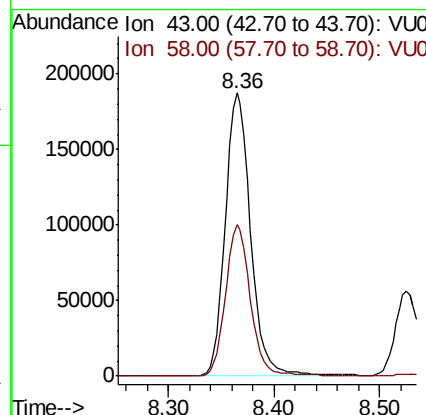
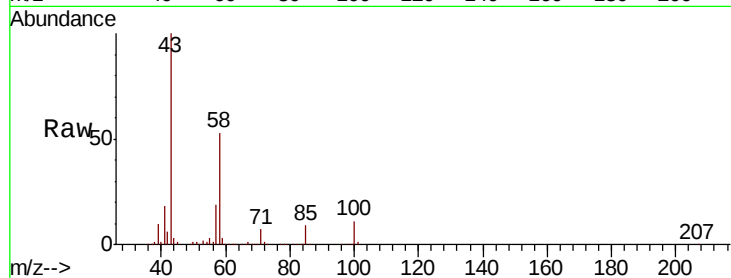
#59
2-Hexanone
Concen: 128.58 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.2	78.5

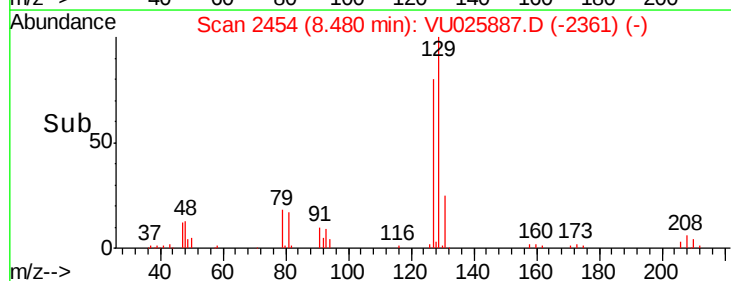
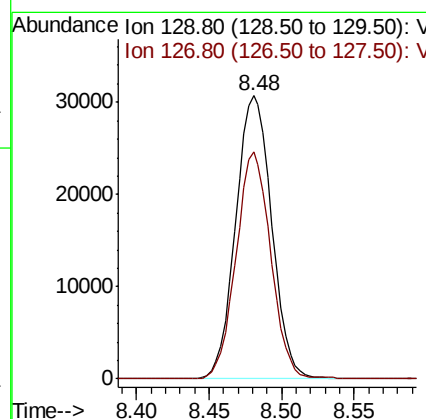
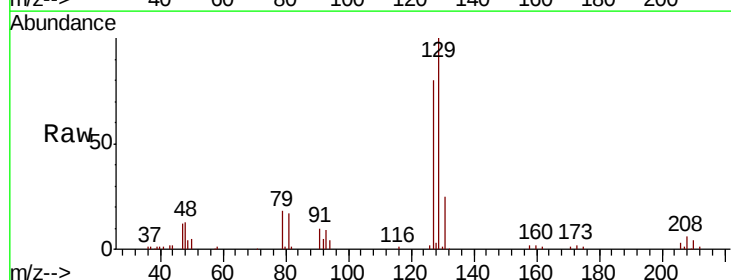
Manual Integrations
APPROVED

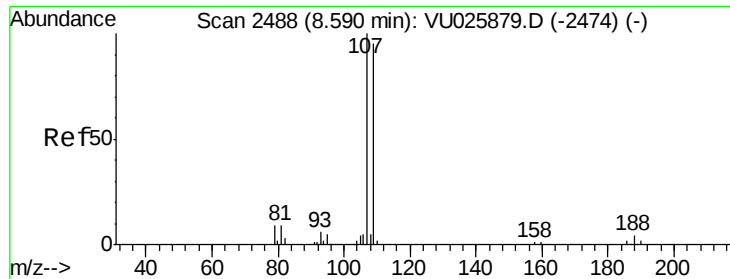
MMDadoda
8/7/2018 1:51:36 PM



#60
Dibromochloromethane
Concen: 20.61 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8





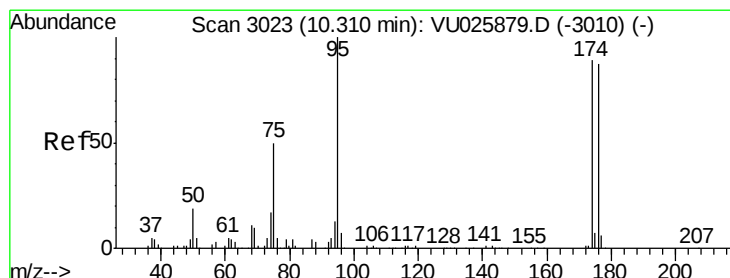
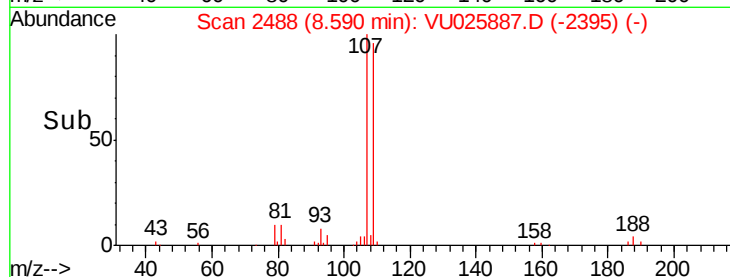
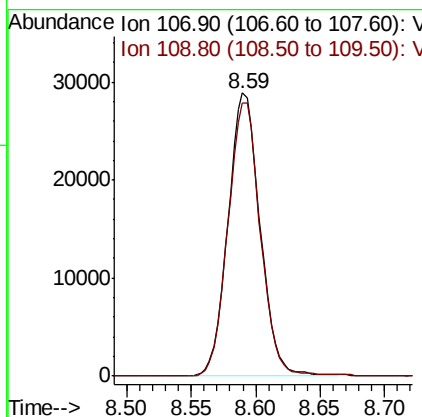
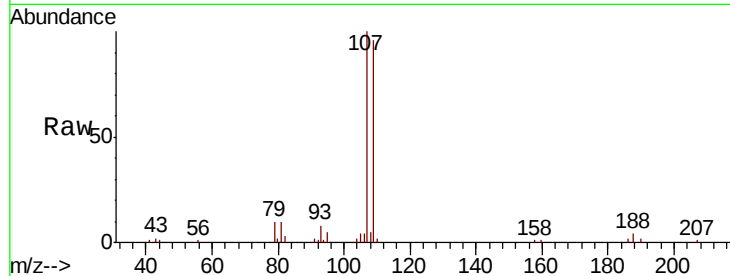
#61
 1,2-Dibromoethane
 Concen: 20.58 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.2	75.8	113.8

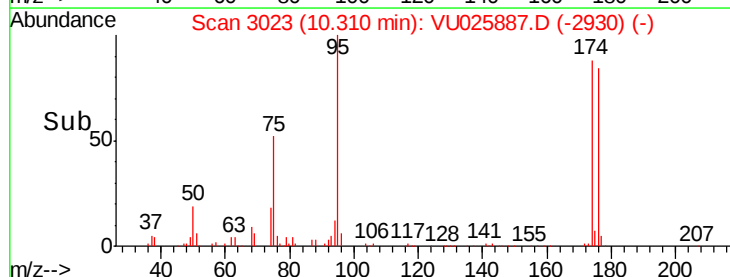
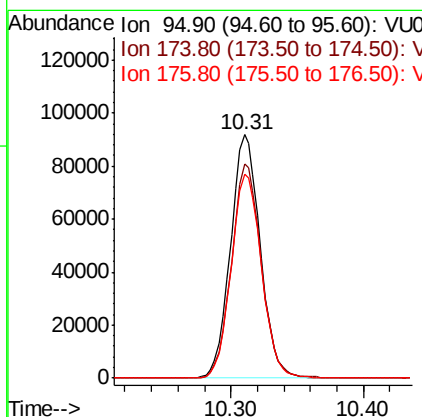
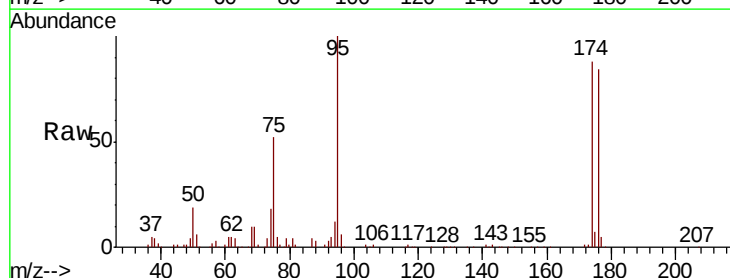
Manual Integrations
 APPROVED

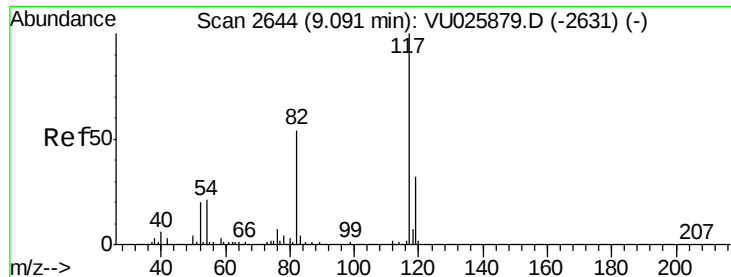
MMDadoda
 8/7/2018 1:51:36 PM



#62
 4-Bromofluorobenzene
 Concen: 48.95 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	172.2
176	85.6	0.0	162.6





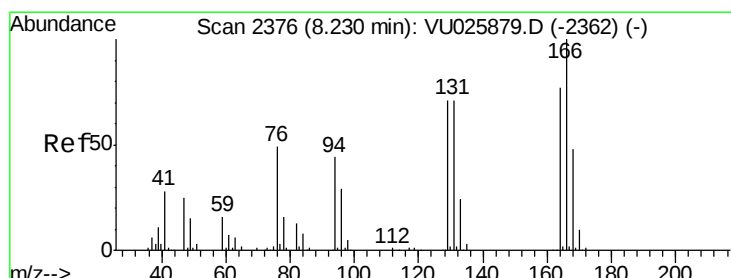
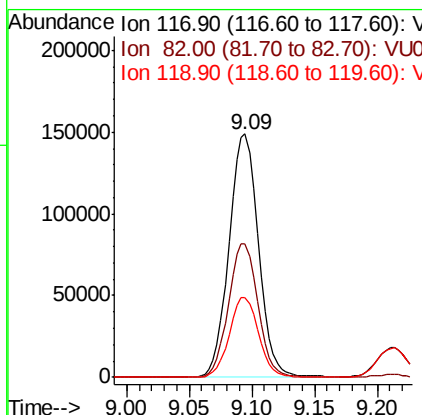
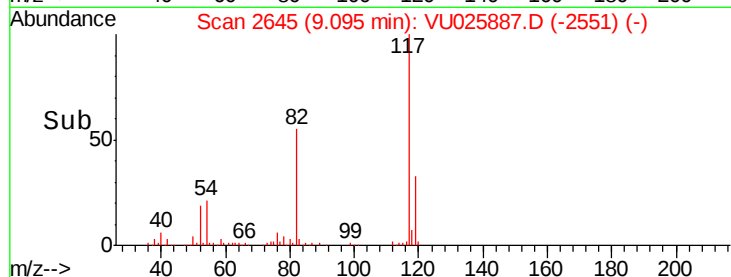
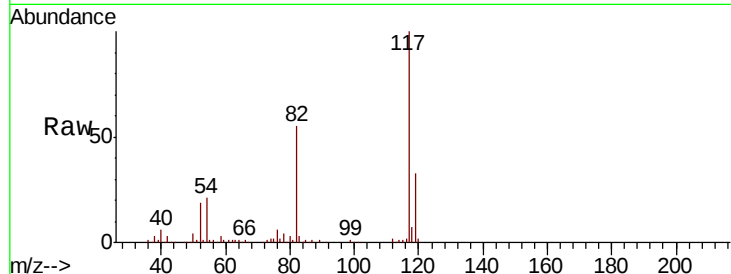
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	243452		
82	54.6	46.0	69.0	
119	32.7	26.0	39.0	

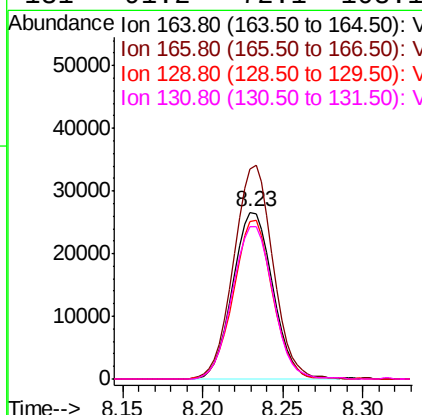
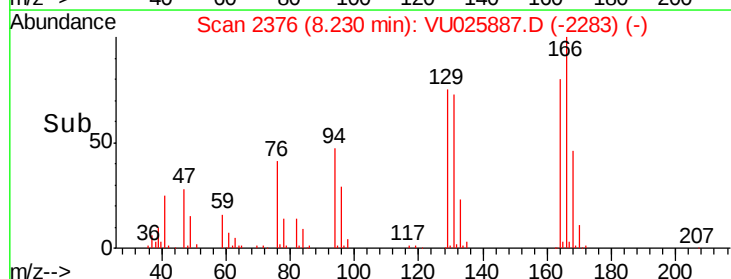
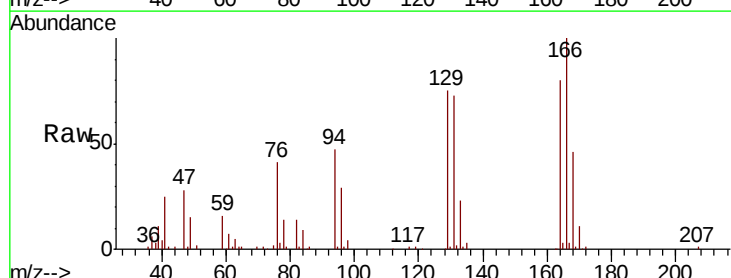
Manual Integrations
APPROVED

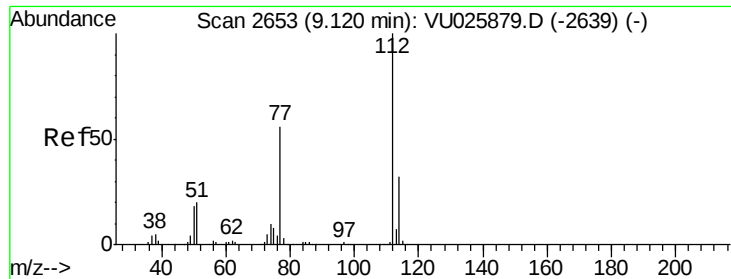
MMDadoda
8/7/2018 1:51:36 PM



#64
Tetrachloroethene
Concen: 21.20 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45422		
166	125.7	101.1	151.7	
129	94.5	73.0	109.6	
131	91.2	72.1	108.1	





#65

Chlorobenzene

Concen: 20.19 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion:112 Resp: 126737

Ion Ratio Lower Upper

112 100

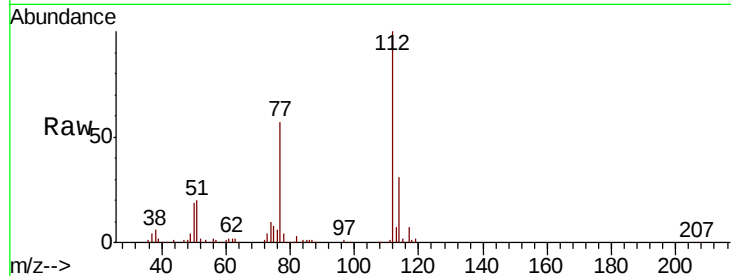
114 30.8 25.8 38.8

Manual Integrations

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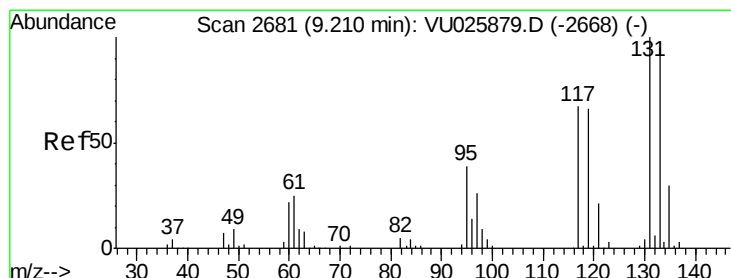
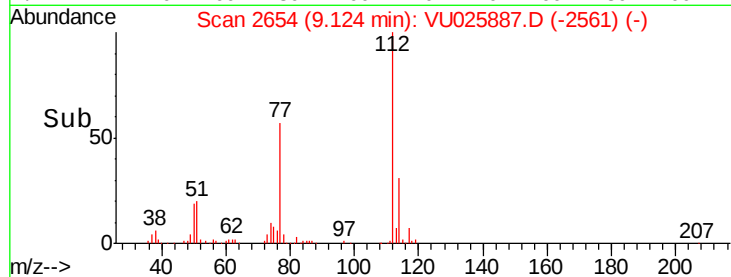
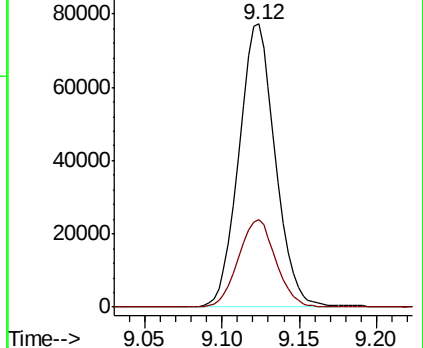
MMDadoda

8/7/2018 1:51:36 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.77 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

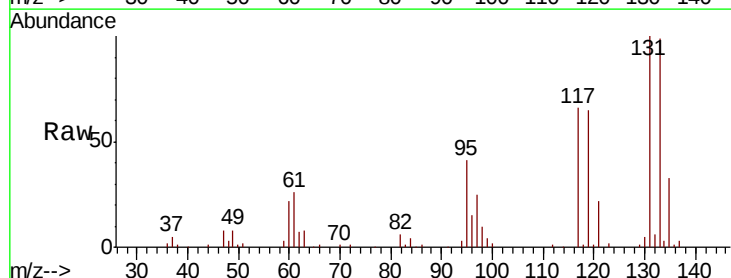
Tgt Ion:131 Resp: 47164

Ion Ratio Lower Upper

131 100

133 97.8 47.8 143.3

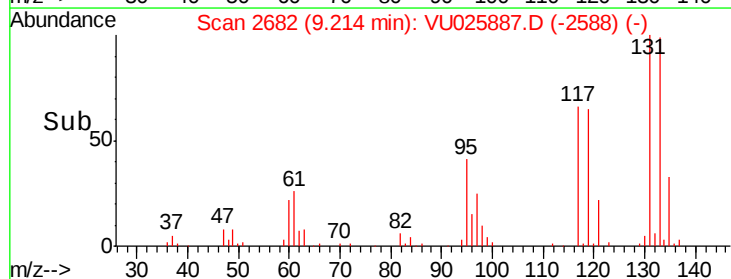
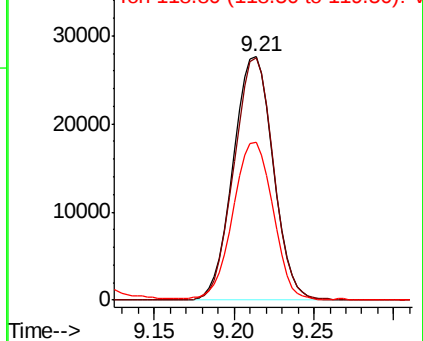
119 65.0 31.6 95.0

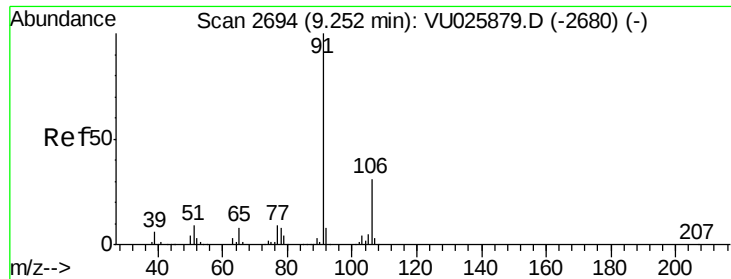


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.08 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 91 Resp: 208806

Ion Ratio Lower Upper

91 100

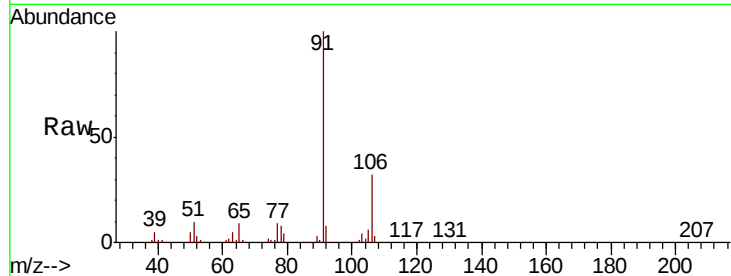
106 32.1 25.3 37.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU025887.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU025887.D (-2601) (-)

200000

150000

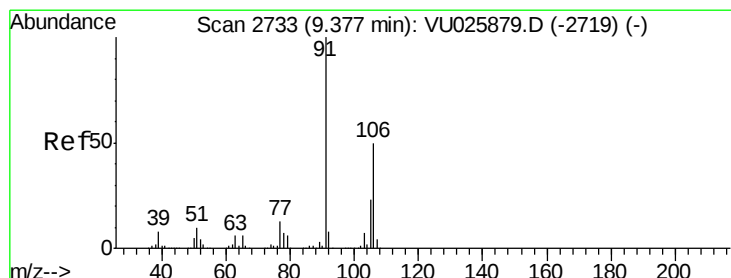
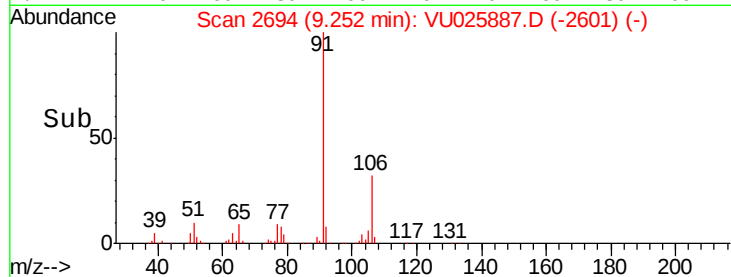
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 40.96 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025887.D

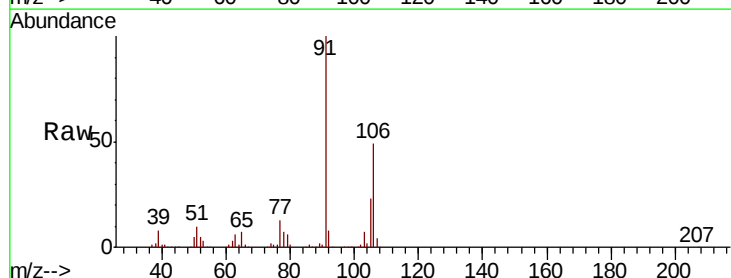
Acq: 06 Aug 2018 15:44

Tgt Ion: 106 Resp: 163485

Ion Ratio Lower Upper

106 100

91 204.9 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025887.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU025887.D (-2640) (-)

200000

150000

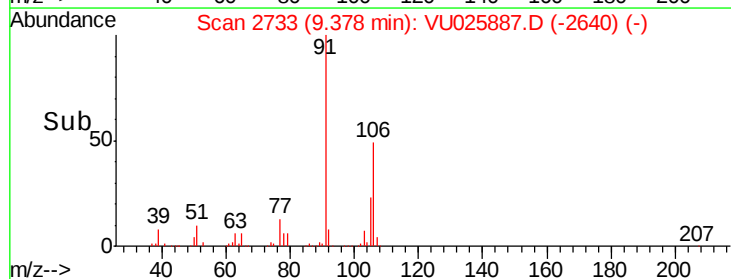
100000

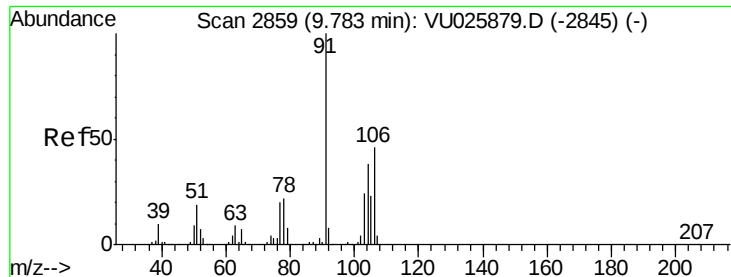
50000

0

9.30 9.35 9.40 9.45

Time-->





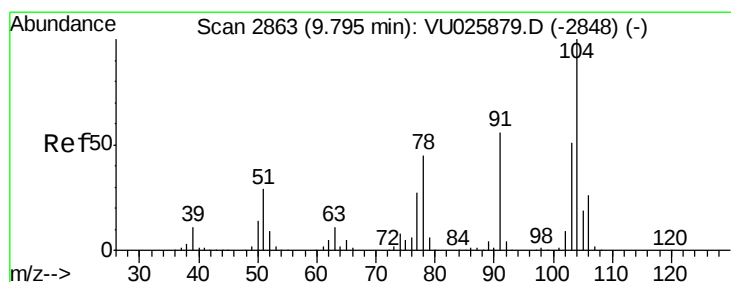
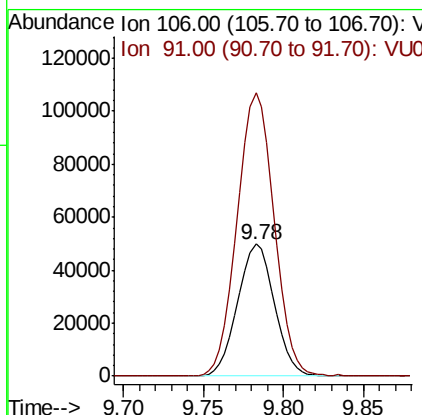
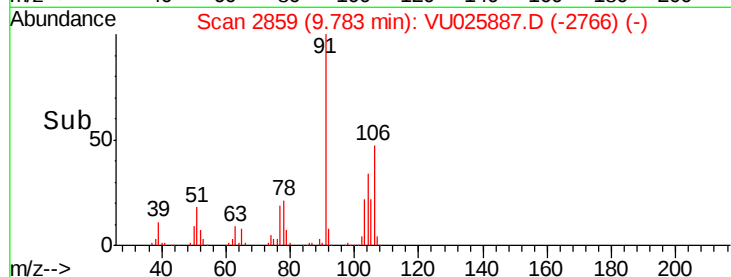
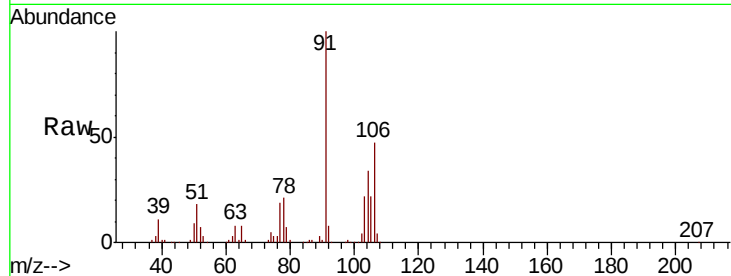
#69
o-Xylene
Concen: 19.95 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion:106 Resp: 77843
Ion Ratio Lower Upper
106 100
91 215.7 105.3 315.8

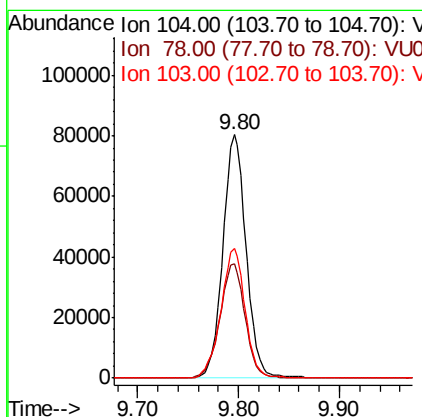
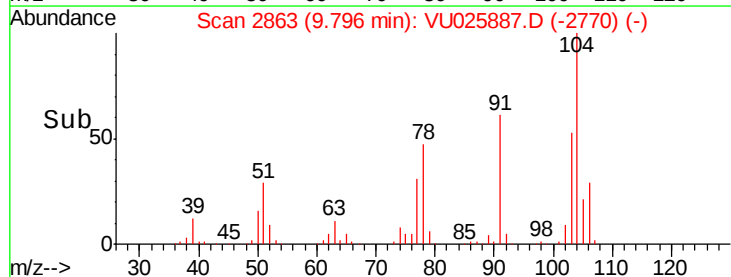
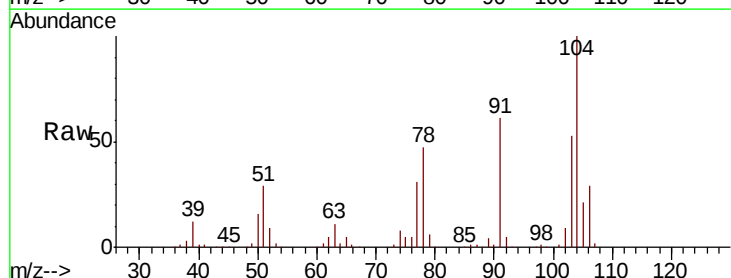
Manual Integrations
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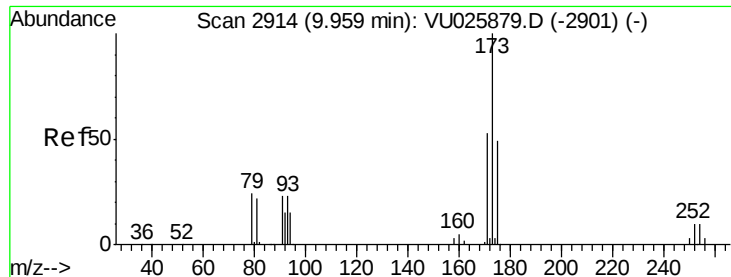
MMDadoda
8/7/2018 1:51:36 PM



#70
Styrene
Concen: 20.63 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion:104 Resp: 129994
Ion Ratio Lower Upper
104 100
78 50.6 41.6 62.4
103 55.6 44.6 66.8





#71

Bromoform

Concen: 20.08 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion:173 Resp: 39534

Ion Ratio Lower Upper

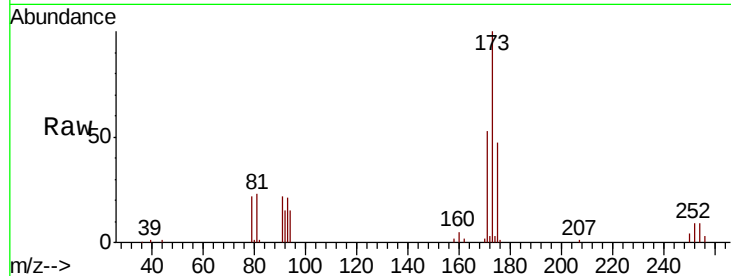
173 100

175 48.0 24.0 72.0

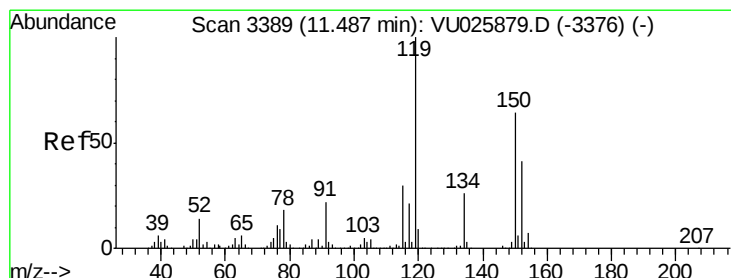
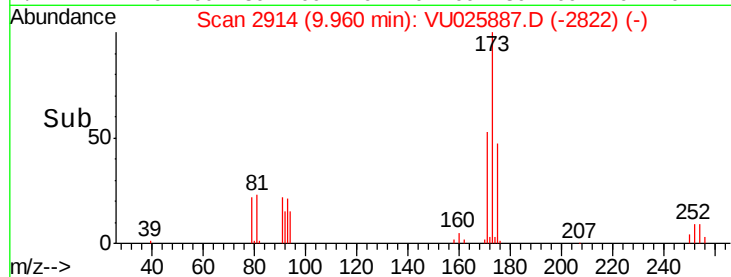
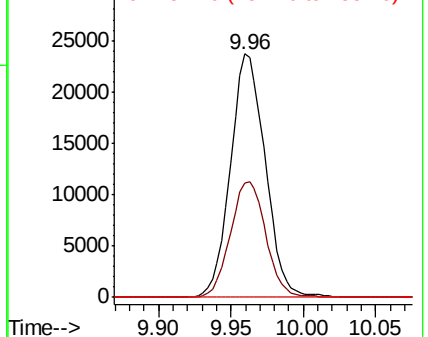
254 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

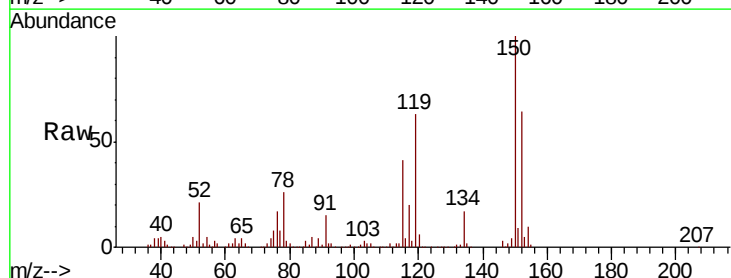
Tgt Ion:152 Resp: 150481

Ion Ratio Lower Upper

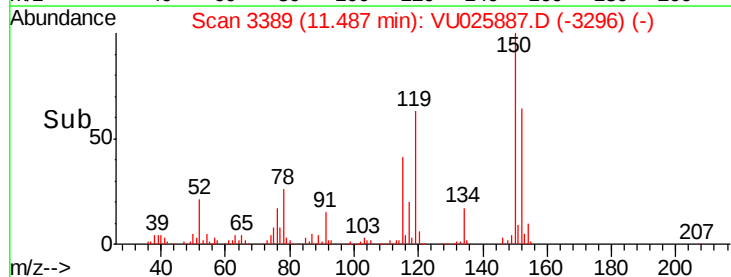
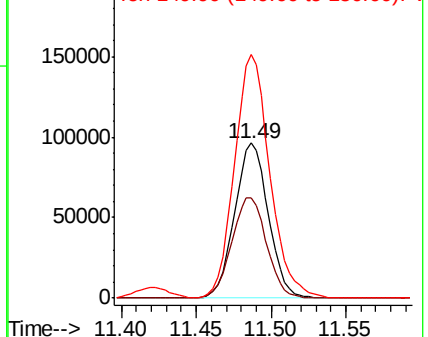
152 100

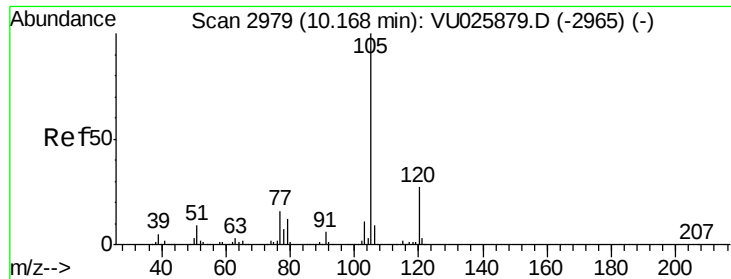
115 67.2 40.1 120.3

150 165.3 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.88 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 105 Resp: 214429

Ion Ratio Lower Upper

105 100

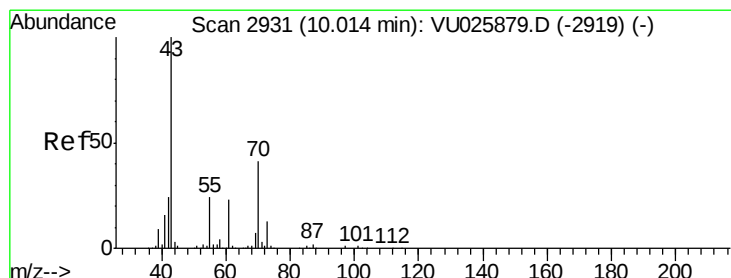
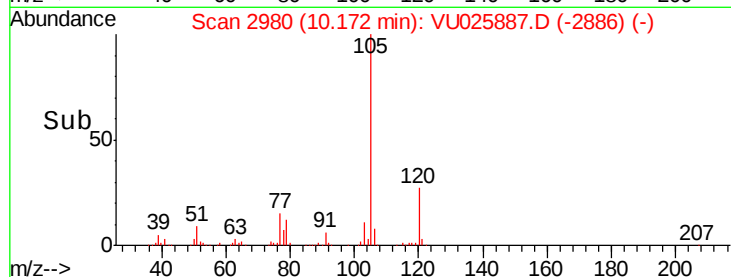
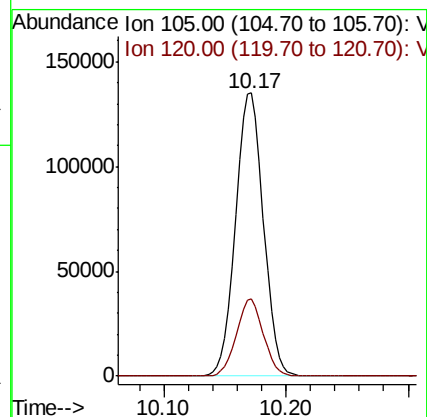
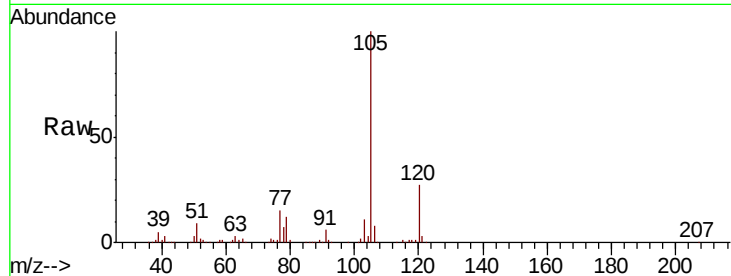
120 26.4 13.5 40.5

Manual Integrations

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8/7/2018 1:51:36 PM



#74

N-ethyl acetate

Concen: 21.02 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Tgt Ion: 43 Resp: 88148

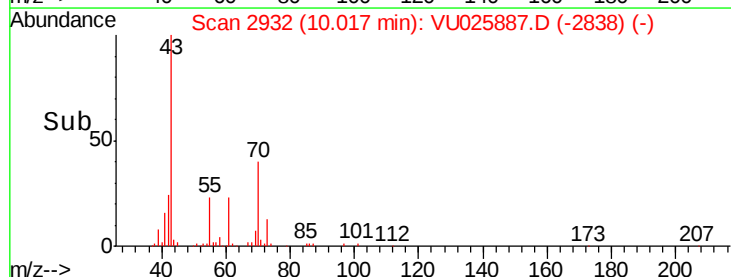
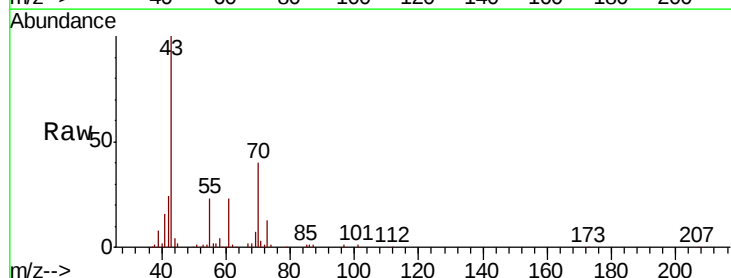
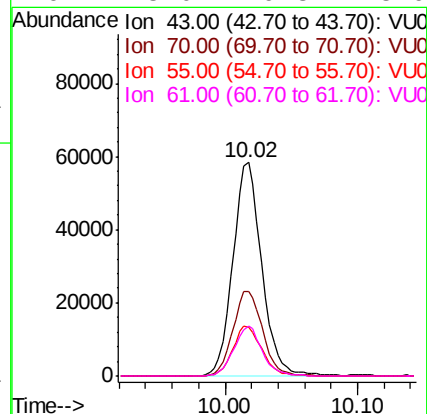
Ion Ratio Lower Upper

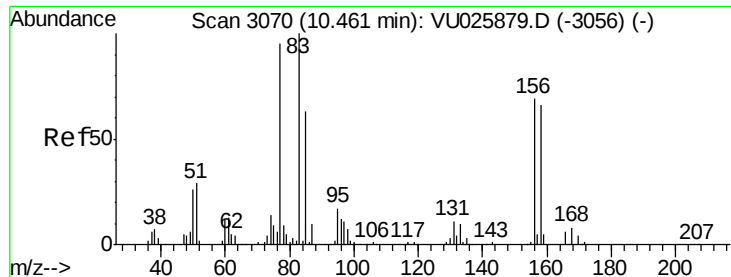
43 100

70 40.8 33.4 50.2

55 23.5 19.0 28.6

61 23.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.75 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 83 Resp: 73707

Ion Ratio Lower Upper

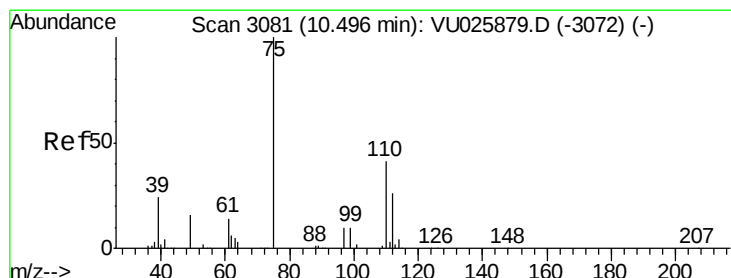
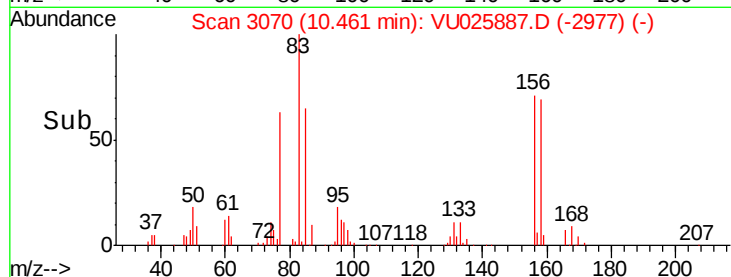
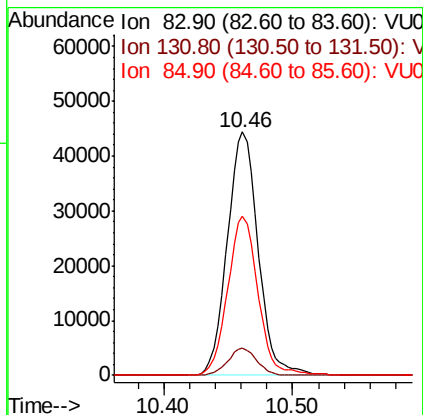
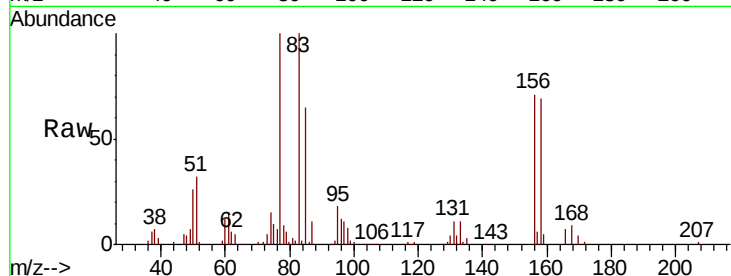
83 100

131 10.4 5.5 16.4

85 64.2 31.6 94.8

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#76

1,2,3-Trichloropropane

Concen: 21.39 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU025887.D

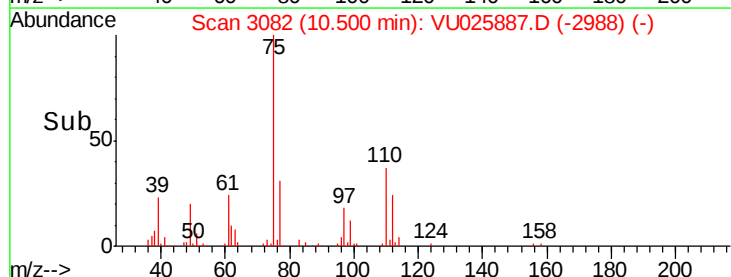
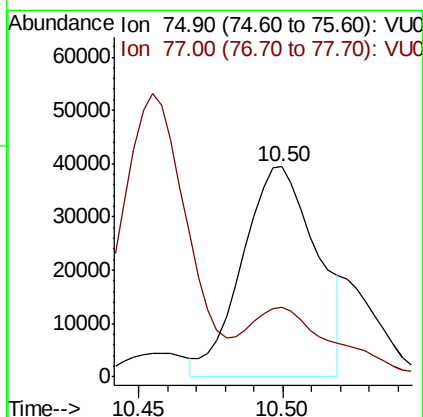
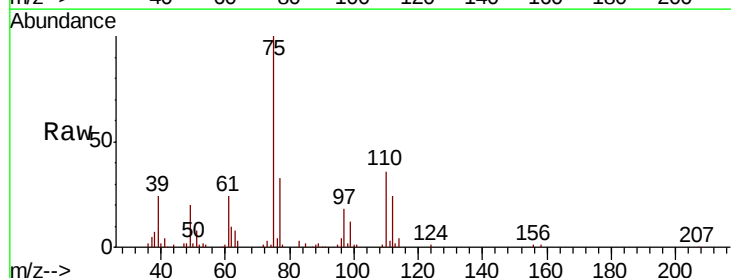
Acq: 06 Aug 2018 15:44

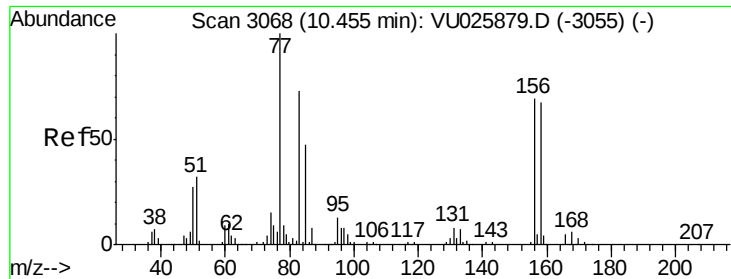
Tgt Ion: 75 Resp: 70913

Ion Ratio Lower Upper

75 100

77 37.8 20.4 61.3





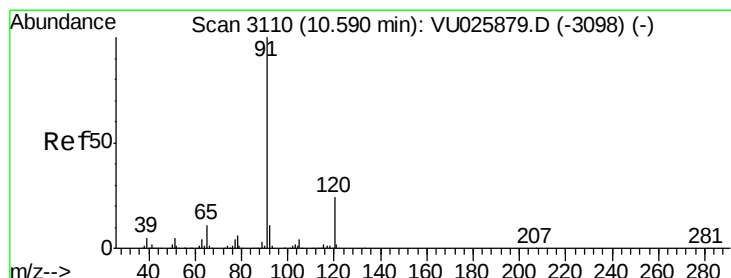
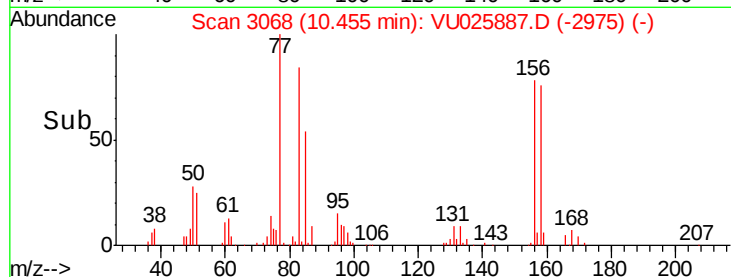
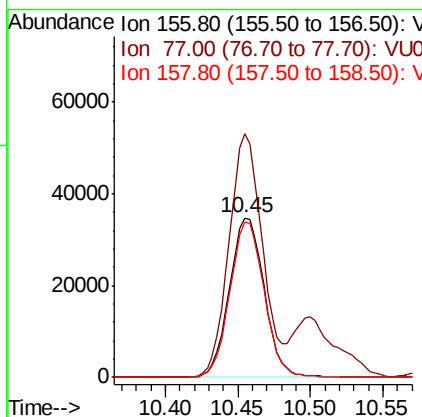
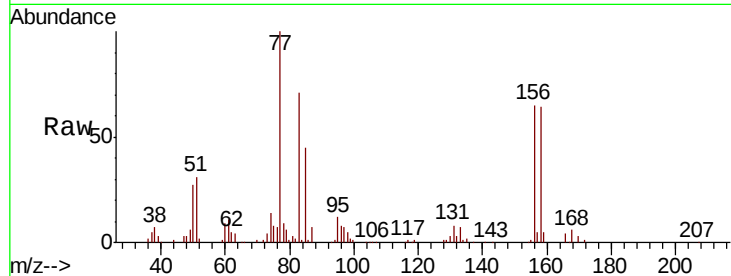
#77
Bromobenzene
Concen: 20.44 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.0	73.8	221.4
158	95.8	48.0	144.0

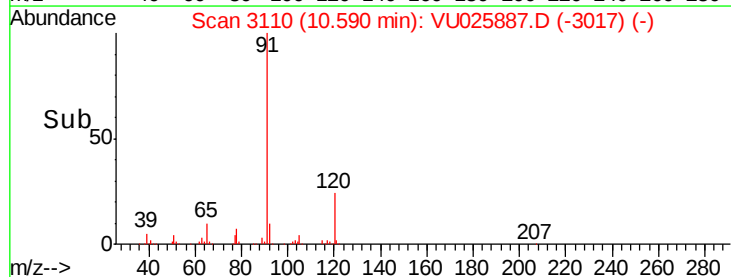
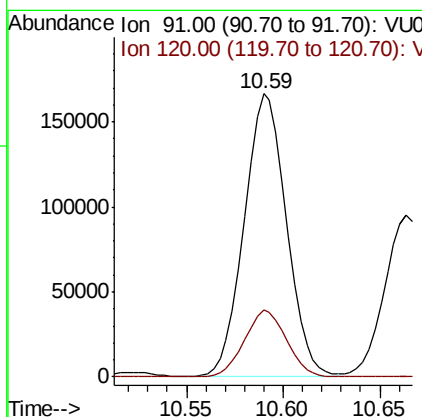
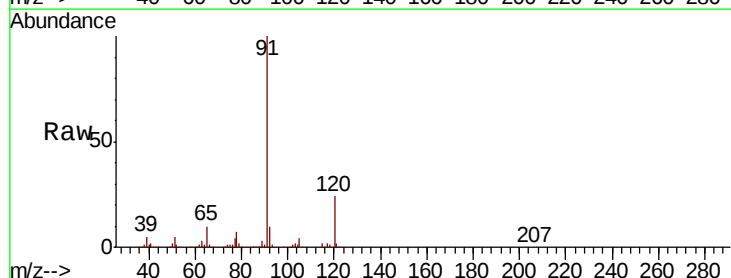
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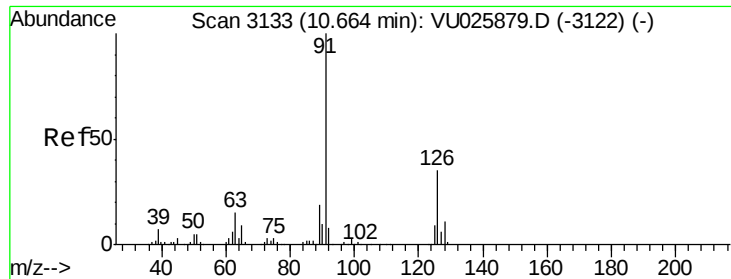
MMDadoda
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#78
n-propylbenzene
Concen: 21.07 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 21.16 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion: 91 Resp: 148561

Ion Ratio Lower Upper

91 100

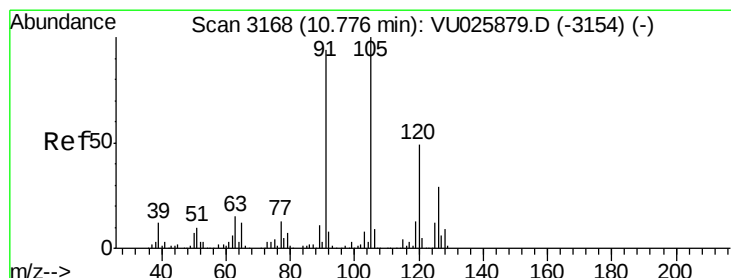
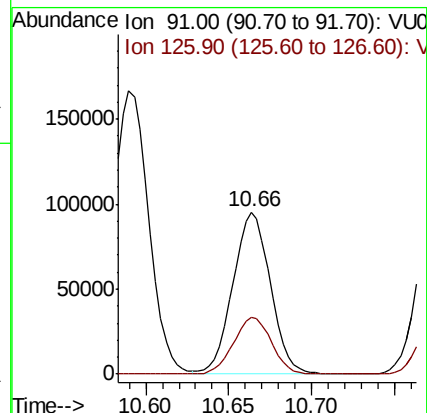
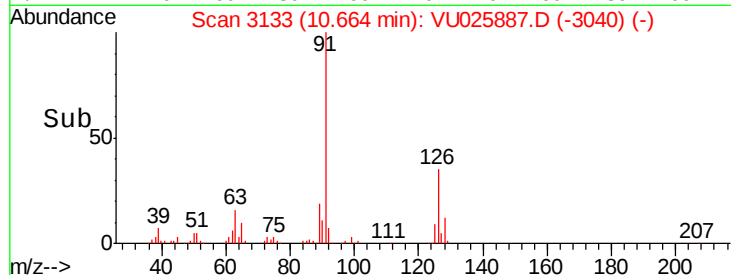
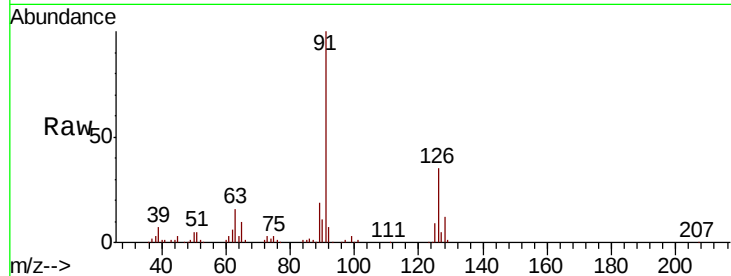
126 35.6 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.73 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025887.D

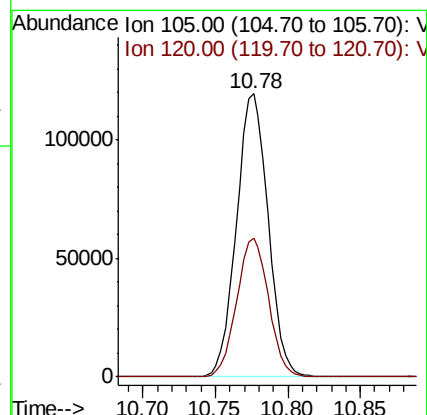
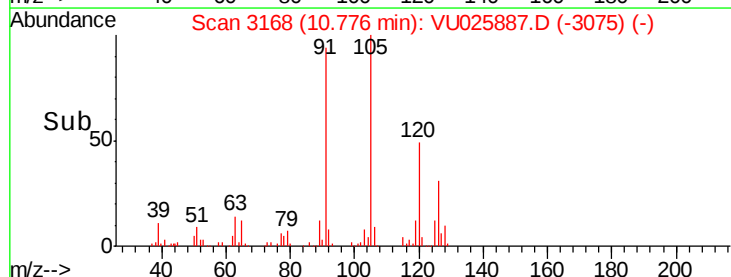
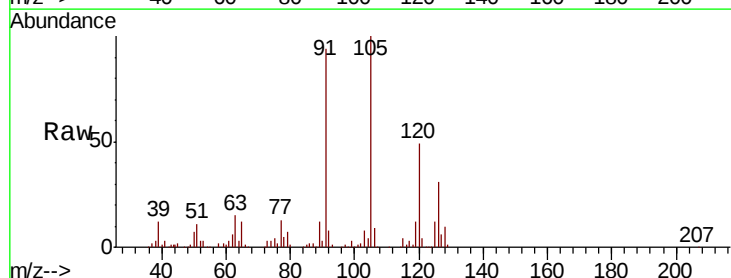
Acq: 06 Aug 2018 15:44

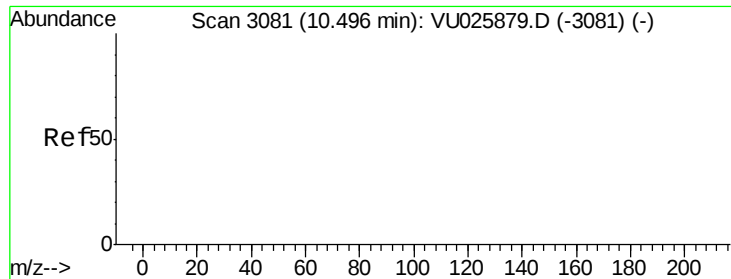
Tgt Ion: 105 Resp: 180806

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.2





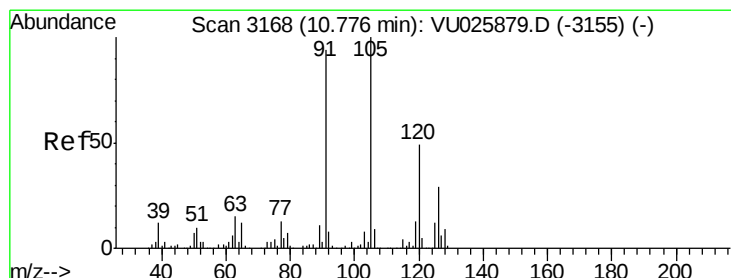
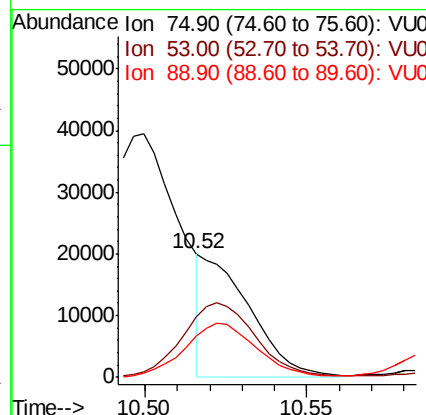
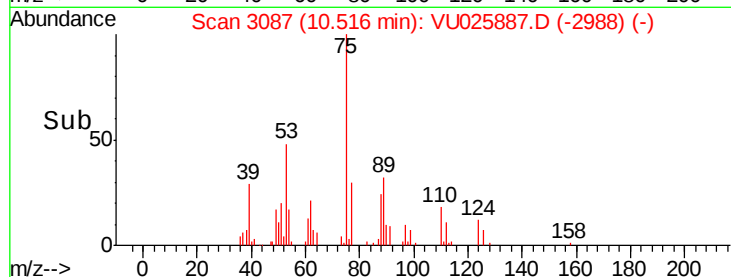
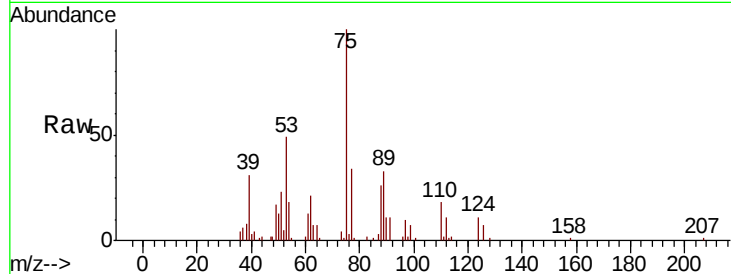
#81
trans-1,4-Dichloro-2-butene
Concen: 15.31 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. 0.02 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

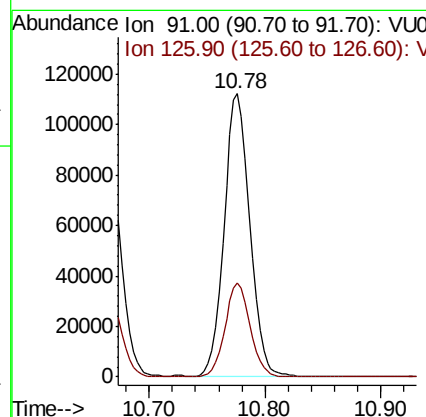
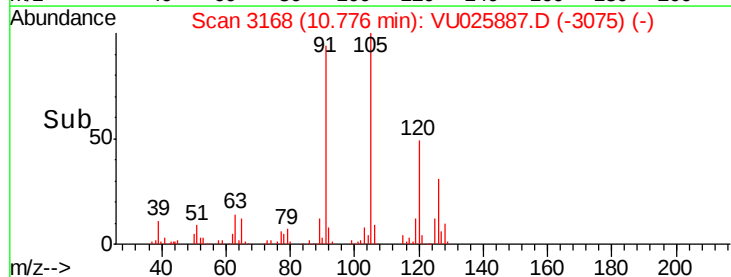
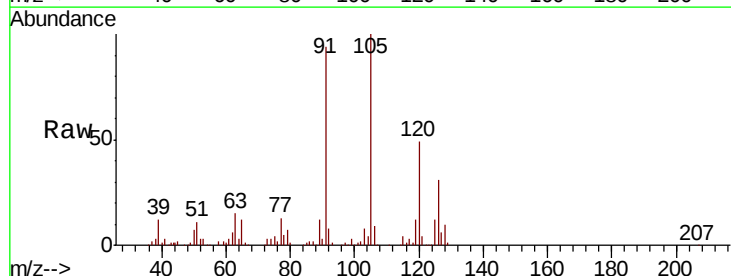
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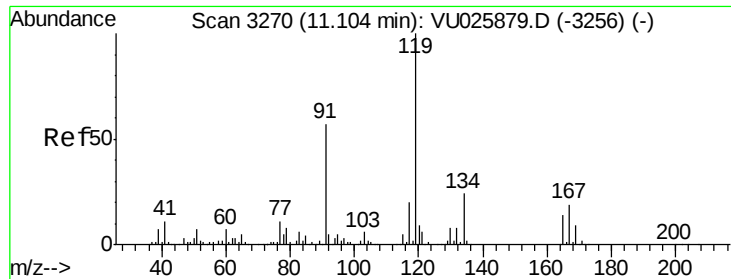
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.88 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.3	45.9





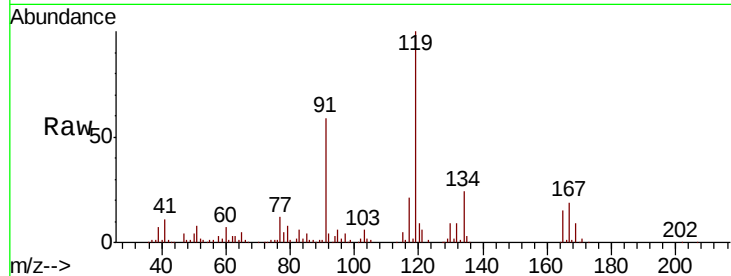
#83
tert-Butylbenzene
Concen: 19.82 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampled :
VU0806MBS01

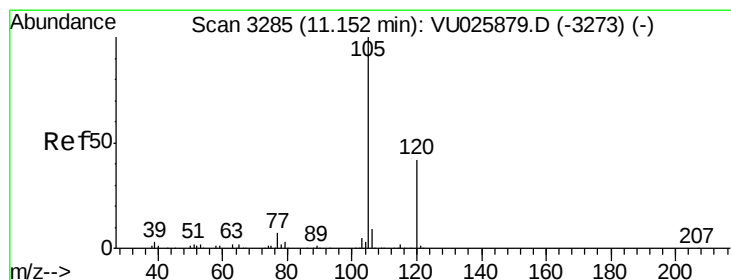
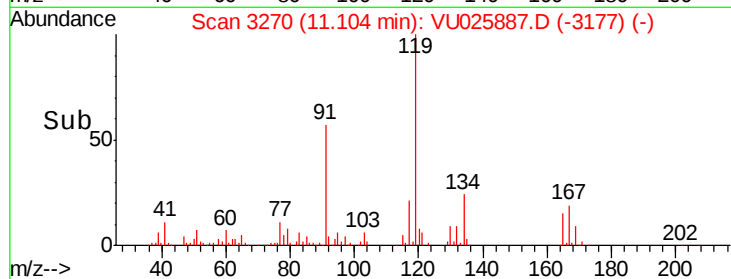
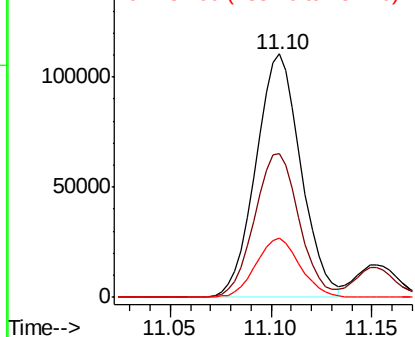
Tot Ion	Ratio	Resp	Lower	Upper
119	100	171756		
91	59.0		29.7	89.1
134	23.8		11.5	34.5

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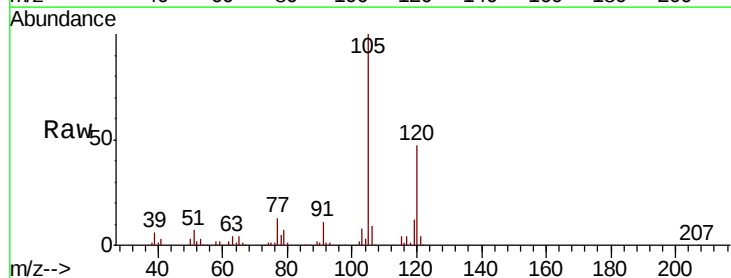


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

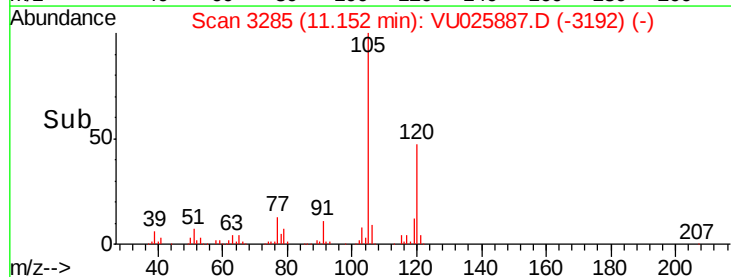
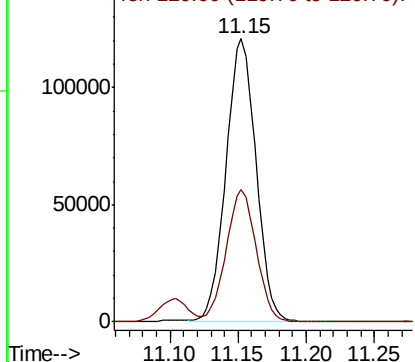


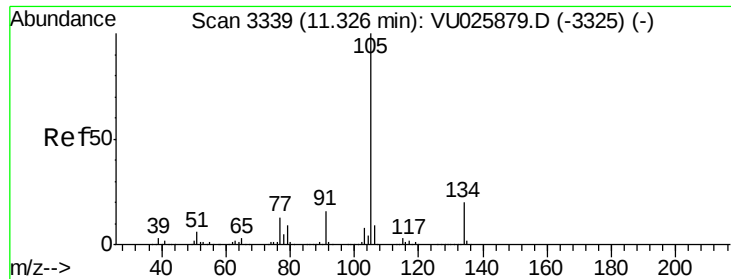
#84
1,2,4-Trimethylbenzene
Concen: 20.91 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	184805		
120	46.7		22.3	66.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.24 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

VU0806MBS01

Tot Ion:105 Resp: 214171

Ion Ratio Lower Upper

105 100

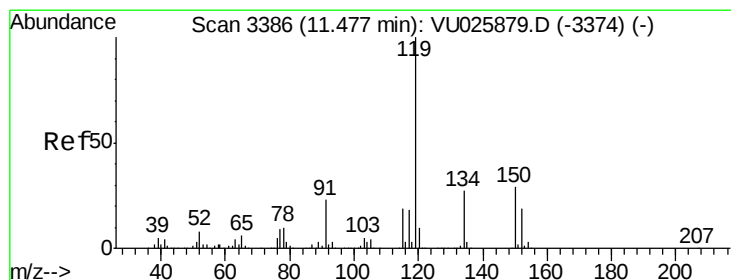
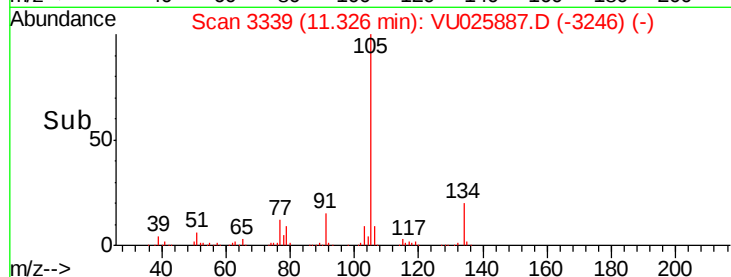
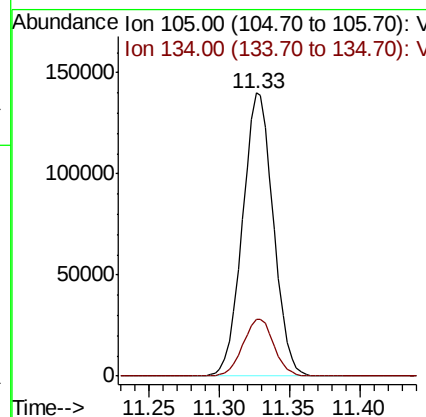
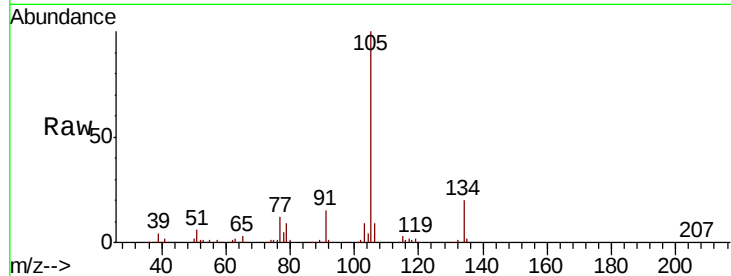
134 20.2 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.28 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025887.D

Acq: 06 Aug 2018 15:44

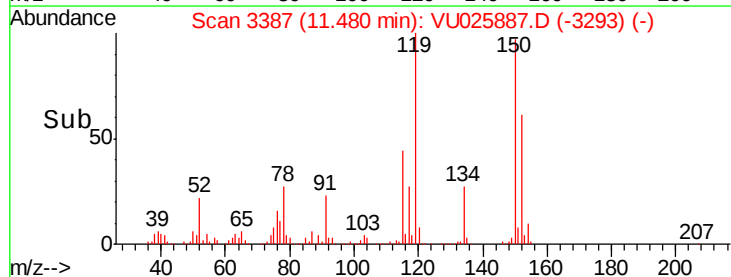
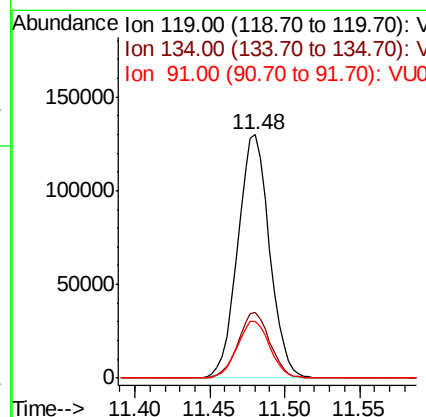
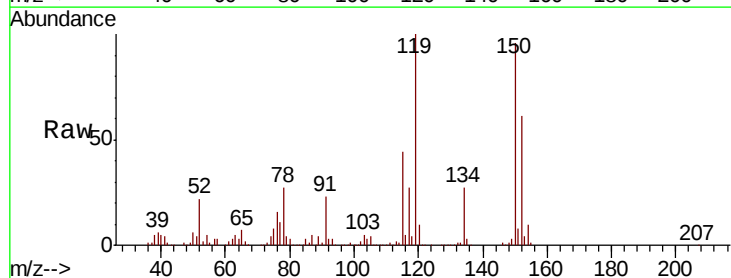
Tgt Ion:119 Resp: 192141

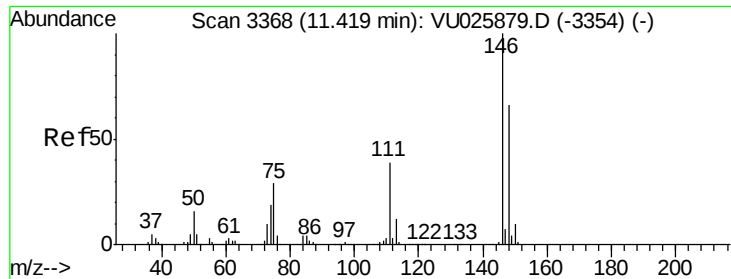
Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

91 24.2 12.0 36.1





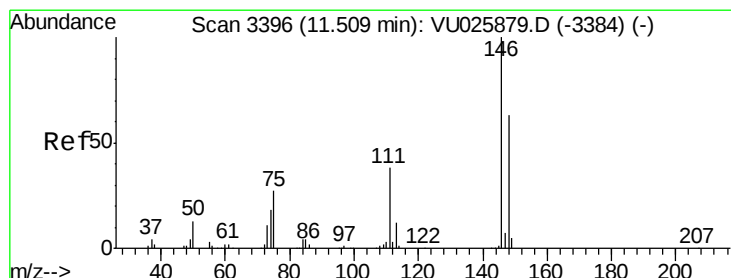
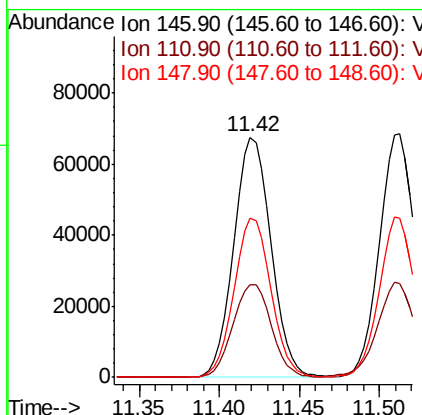
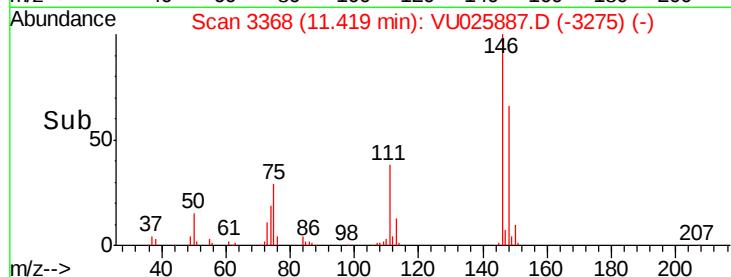
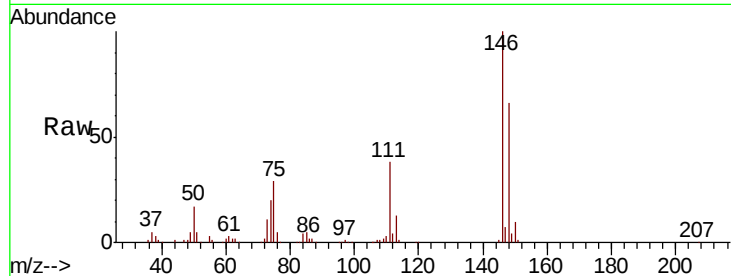
#87
 1,3-Dichlorobenzene
 Concen: 20.35 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	65.6	32.1	96.3

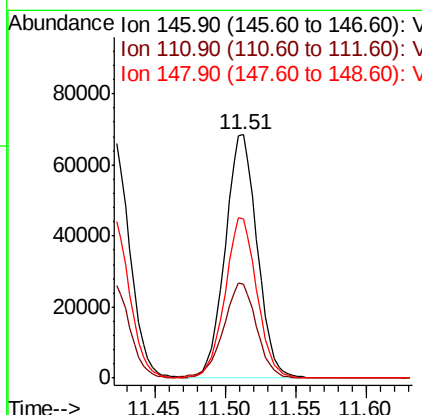
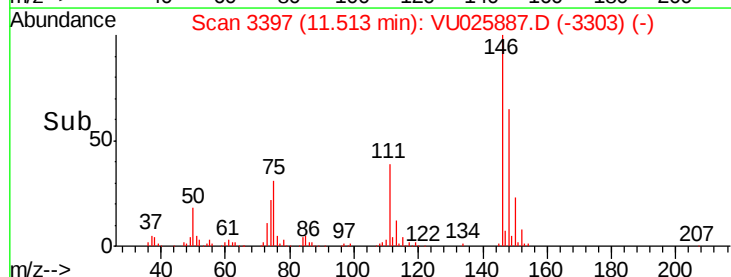
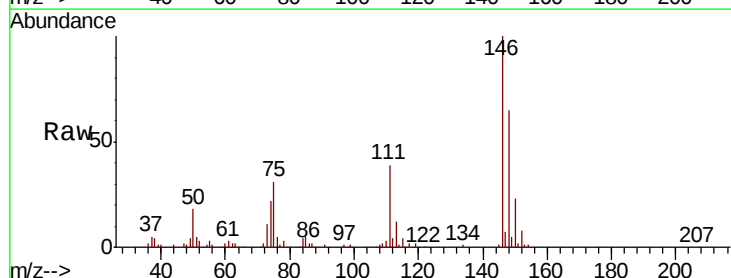
Manual Integrations
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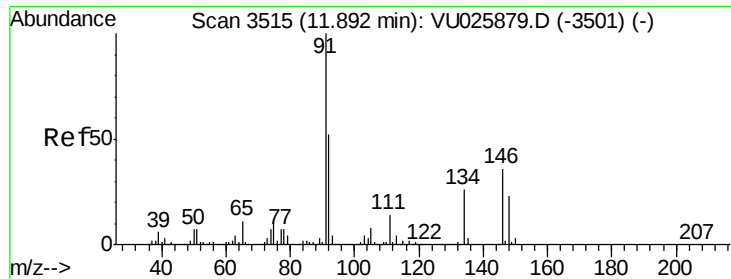
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#88
 1,4-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.4	58.1
148	65.5	31.7	95.1





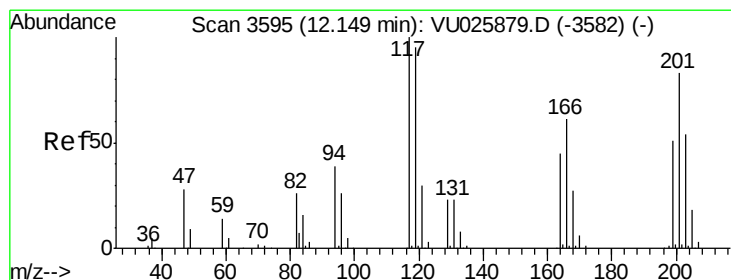
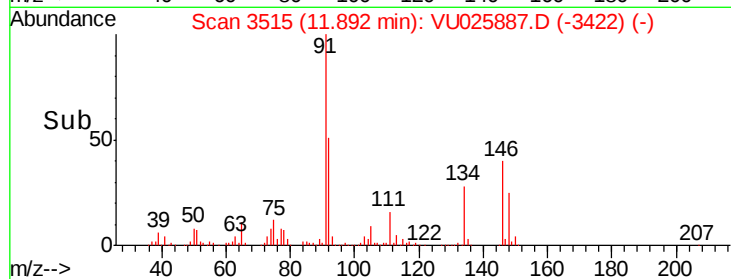
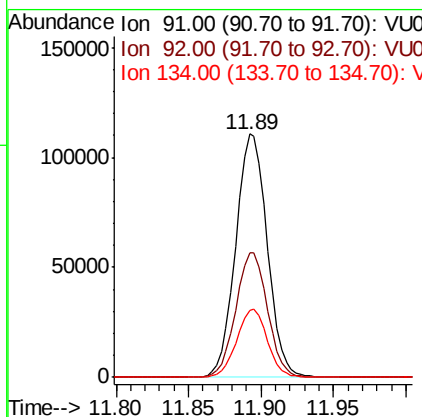
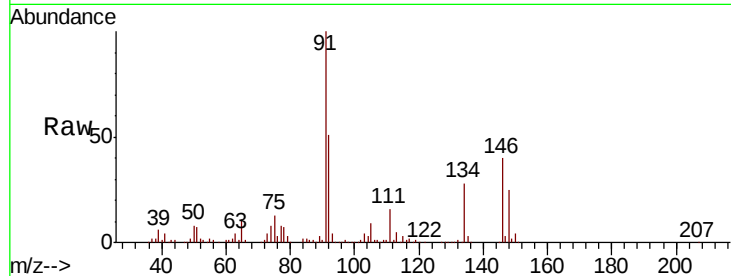
#89
n-Butylbenzene
Concen: 19.15 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.5	79.5
134	27.2	13.6	40.7

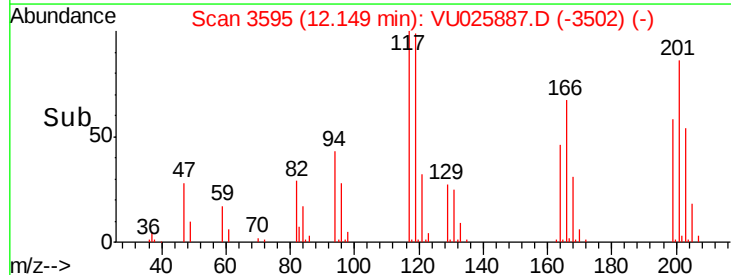
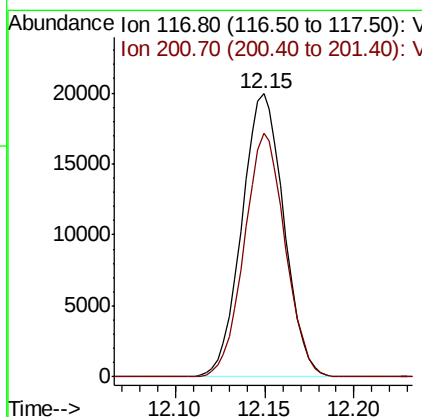
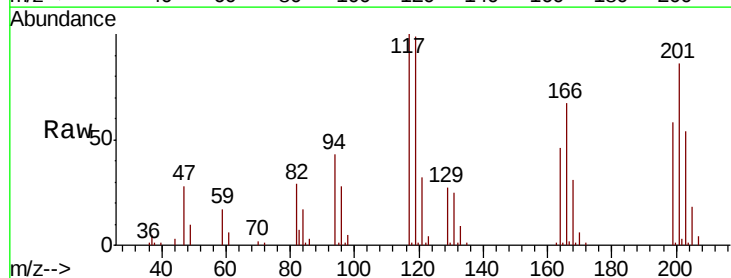
Manual Integrations
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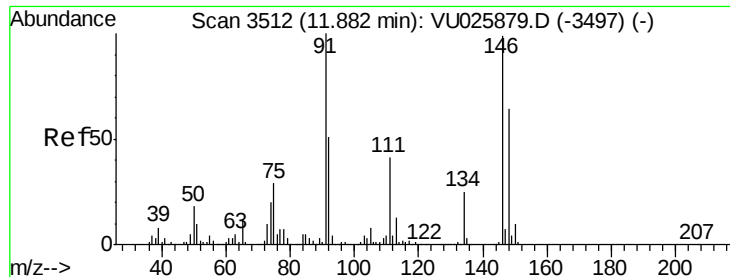
MMDadoda
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#90
Hexachloroethane
Concen: 19.54 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	42.5	127.6





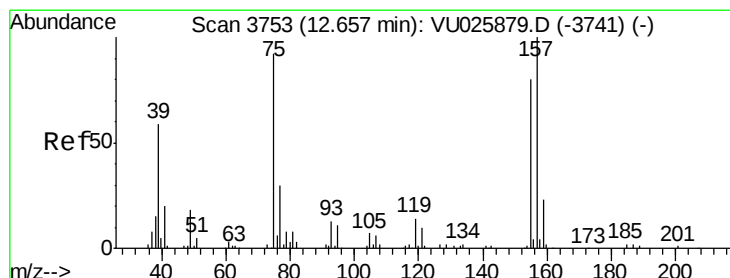
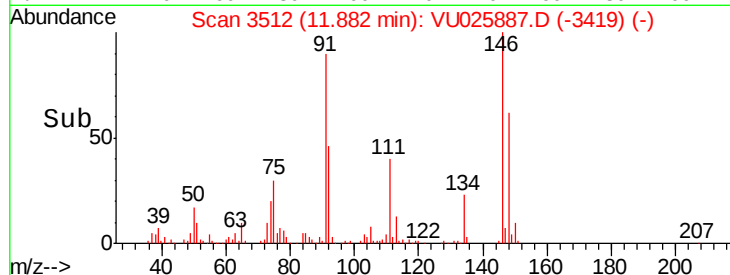
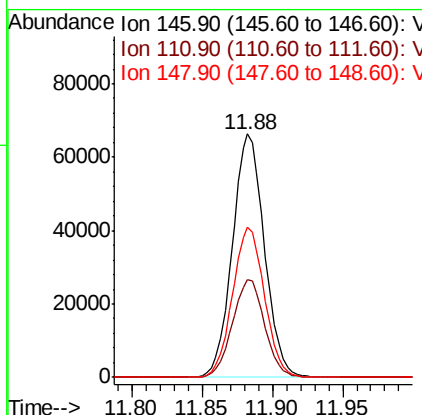
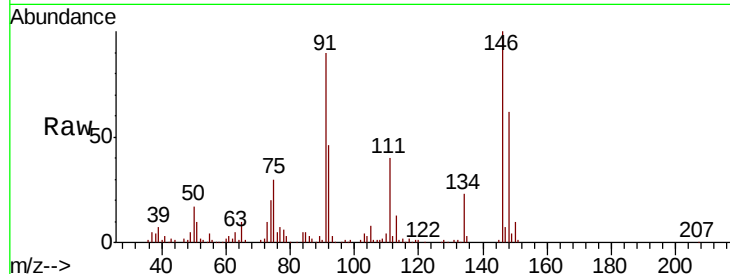
#91
 1,2-Dichlorobenzene
 Concen: 20.42 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	61.7	31.5	94.5

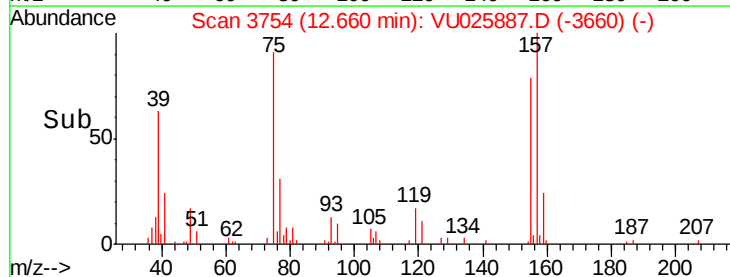
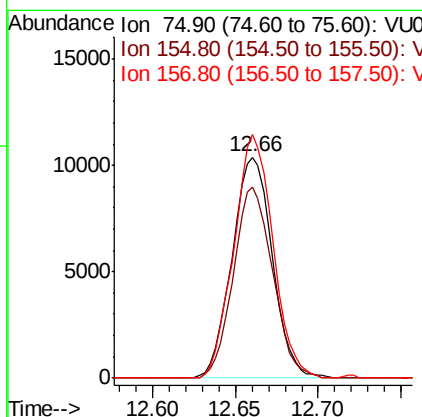
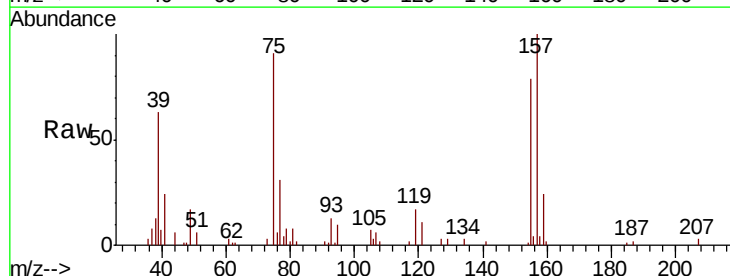
Manual Integrations
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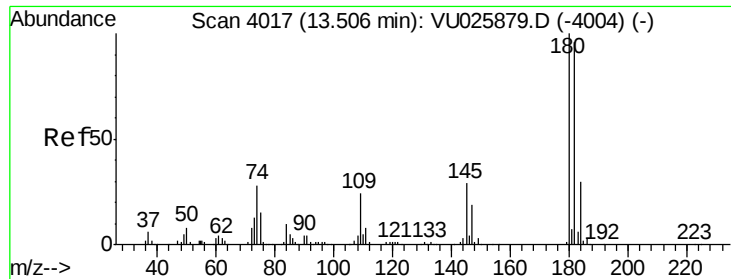
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.79 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	44.5	133.3
157	107.1	57.0	170.8





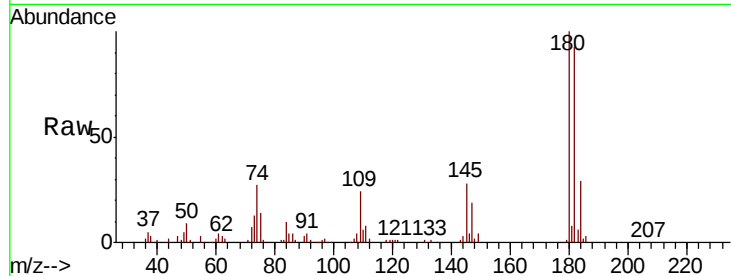
#93
 1,2,4-Trichlorobenzene
 Concen: 19.31 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.9
145	28.8	14.9	44.7

Manual Integrations
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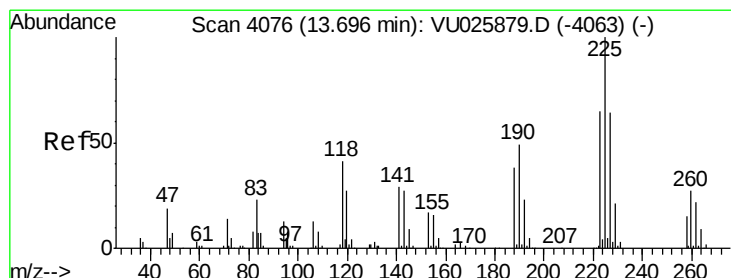
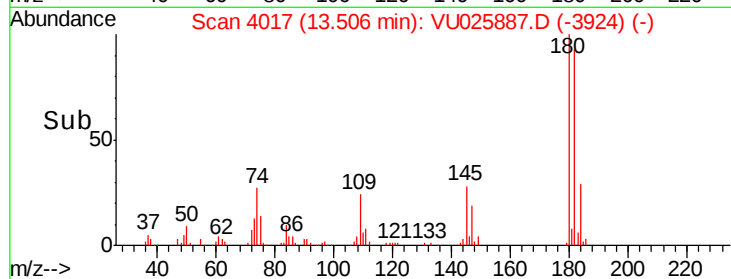
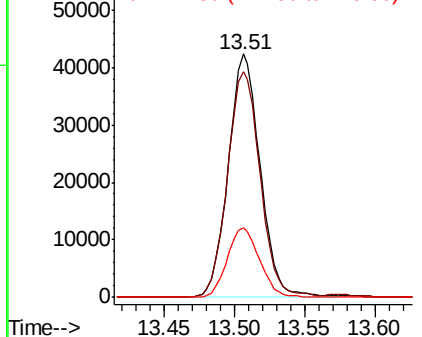


Abundance

Ion 179.80 (179.50 to 180.50): V

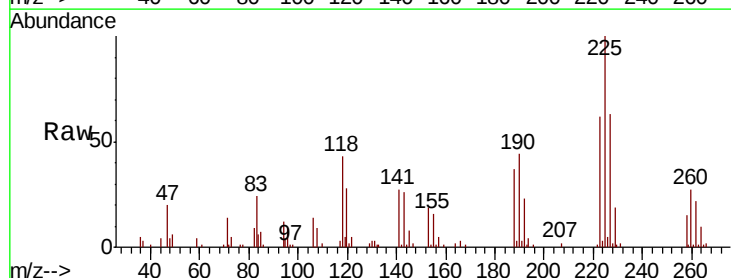
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.49 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025887.D
 Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	62.5	32.3	96.9

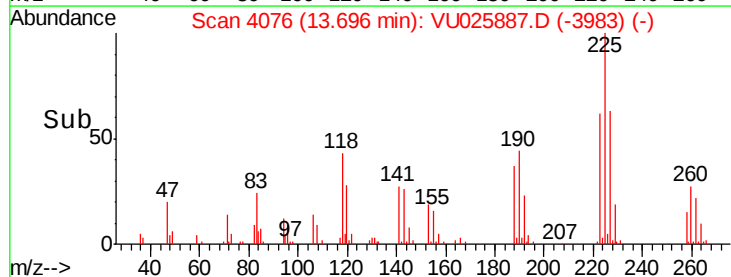
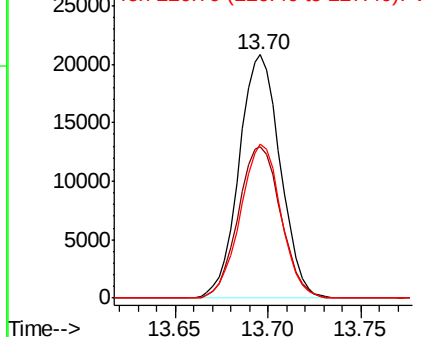


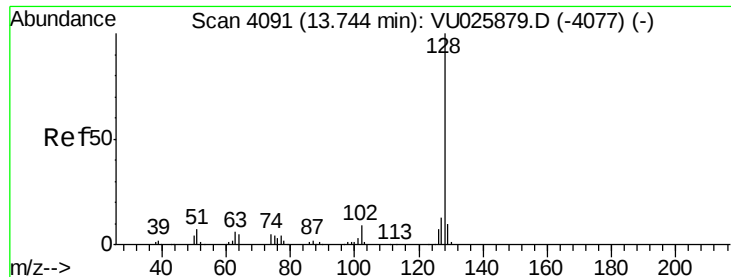
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





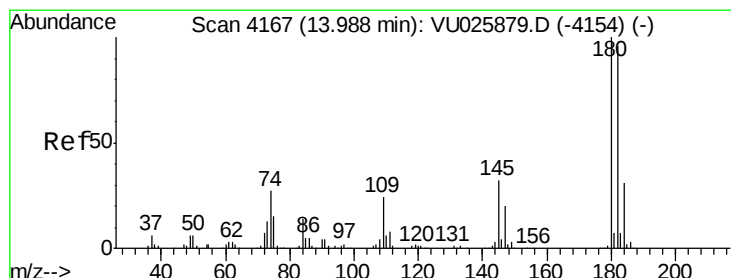
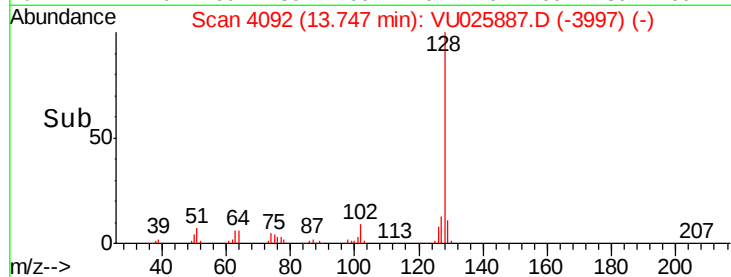
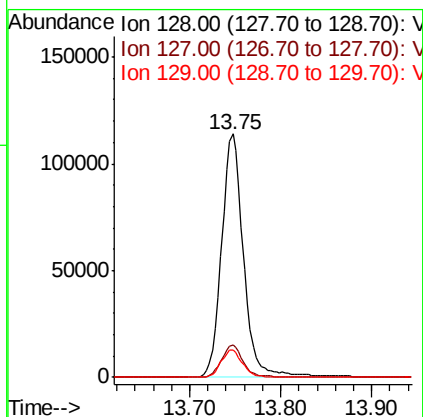
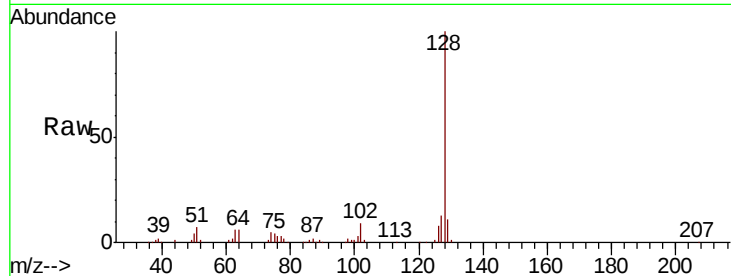
#95
Naphthalene
Concen: 17.95 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Instrument :
MSVOA_U
ClientSampleId :
VU0806MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	191398		
127	13.0		10.5	15.7
129	10.8		8.3	12.5

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#96
1,2,3-Trichlorobenzene
Concen: 19.33 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025887.D
Acq: 06 Aug 2018 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	67087		
182	97.9		47.8	143.3
145	31.7		15.6	46.8

